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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Apr 08	"Ask CAS" for self-help around the clock
NEWS 3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4	Apr 09	ZDB will be removed from STN
NEWS 5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS 9	Jun 03	New e-mail delivery for search results now available
NEWS 10	Jun 10	MEDLINE Reload
NEWS 11	Jun 10	PCTFULL has been reloaded
NEWS 12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS 13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS 14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS 15	Jul 30	NETFIRST to be removed from STN
NEWS 16	Aug 08	CANCERLIT reload
NEWS 17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18	Aug 08	NTIS has been reloaded and enhanced
NEWS 19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 23	Sep 03	JAPIO has been reloaded and enhanced
NEWS 24	Sep 16	Experimental properties added to the REGISTRY file
NEWS 25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 27	Oct 21	EVENTLINE has been reloaded
NEWS 28	Oct 24	BEILSTEIN adds new search fields
NEWS 29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS 31	Nov 18	DKILIT has been renamed APOLLIT
NEWS 32	Nov 25	More calculated properties added to REGISTRY
NEWS 33	Dec 02	TIBKAT will be removed from STN
NEWS 34	Dec 04	CSA files on STN
NEWS 35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 36	Dec 17	TOXCENTER enhanced with additional content
NEWS 37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 38	Dec 30	ISMEC no longer available
NEWS 39	Jan 13	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 40	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS 41	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS 42	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 43	Feb 13	CANCERLIT is no longer being updated
NEWS 44	Feb 24	METADEX enhancements
NEWS 45	Feb 24	PCTGEN now available on STN

NEWS 46 Feb 24 TEMA now available on STN
NEWS 47 Feb 26 NTIS now allows simultaneous left and right truncation
NEWS 48 Feb 26 PCTFULL now contains images

NEWS EXPRESS January 6 CURRENT WINDOWS VERSION IS V6.01a,
CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
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NEWS WWW CAS World Wide Web Site (general information)

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FILE 'CAPLUS' ENTERED AT 08:35:42 ON 27 FEB 2003
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FILE 'MEDLINE' ENTERED AT 08:35:42 ON 27 FEB 2003

=> s sonic hedgehog
L1 2944 SONIC HEDGEHOG

=> s skin
L2 757498 SKIN

=> s l1 and l2
L3 197 L1 AND L2

=> s topical application
L4 23973 TOPICAL APPLICATION

=> s l3 and l4
L5 0 L3 AND L4

=> d l3 1-197

L3 ANSWER 1 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2003:65407 CAPLUS
TI **Sonic hedgehog** in normal and neoplastic proliferation:

insight gained from human tumors and animal models
AU Wetmore, Cynthia
CS Mayo Clinic, and Program in Neuro-oncology, Division of Pediatric
Hematology/Oncology, Department of Pediatrics and Adolescent Medicine, 200
First Street, SW Rochester, MN, 55905, USA
SO Current Opinion in Genetics & Development (2003), 13(1), 34-42
CODEN: COGDET; ISSN: 0959-437X
PB Elsevier Science Ltd.
DT Journal
LA English

L3 ANSWER 2 OF 197 CAPLUS COPYRIGHT 2003 ACS

AN 2003:61824 CAPLUS

TI **Sonic hedgehog**-dependent activation of Gli2 is
essential for embryonic hair follicle development

AU Mill, Pleasantine; Mo, Rong; Fu, Hong; Grachtchouk, Marina; Kim, Peter C.
W.; Dlugosz, Andrzej A.; Hui, Chi-Chung

CS Program in Developmental Biology, The Hospital for Sick Children,
University of Toronto, Toronto, ON, M5G 1X8, Can.

SO Genes & Development (2003), 17(2), 282-284

CODEN: GEDEEP; ISSN: 0890-9369

PB Cold Spring Harbor Laboratory Press

DT Journal

LA English

L3 ANSWER 3 OF 197 CAPLUS COPYRIGHT 2003 ACS

AN 2003:26799 CAPLUS

TI Increases in adipose and total body weight, but not in lean body mass,
associated with subcutaneous administration of **sonic**
hedgehog-Ig fusion protein to mice

AU Martin, Pauline L.; Lane, Joan; Pouliot, Louise; Gains, Malcolm; Stejskal,
Rudolph; Smith, Susan Yvonne; Galdes, Alphonse; Green, James

CS Biogen Inc., Cambridge, MA, USA

SO Drug Development Research (2002), 57(3), 107-114

CODEN: DDREDK; ISSN: 0272-4391

PB Wiley-Liss, Inc.

DT Journal

LA English

RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 197 CAPLUS COPYRIGHT 2003 ACS

AN 2002:978471 CAPLUS

DN 138:39182

TI Preparation of substituted benzothiophene derivatives as hedgehog agonists
and regulators of cell proliferation and differentiation

IN Baxter, Anthony David; Boyd, Edward Andrew; Guicherit, Oivin M.; Porter,
Jeffery; Price, Stephen; Rubin, Lee; Stibbard, John Harry Alexander

PA UK

SO U.S. Pat. Appl. Publ., 130 pp., Cont.-in-part of U.S. Ser. No. 724,492.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 2002198236	A1	20021226	US 2001-964276	20010926
PRAI	US 2000-193279P	P	20000330		
	US 2000-724492	A2	20001128		
OS	MARPAT 138:39182				

L3 ANSWER 5 OF 197 CAPLUS COPYRIGHT 2003 ACS

AN 2002:818757 CAPLUS

DN 138:70887

TI Comparative gene expression profile analysis of GLI and c-MYC in an
 epithelial model of malignant transformation
 AU Louro, Iuri D.; Bailey, Evans C.; Li, Xingnan; South, Lindsey S.;
 McKie-Bell, Peggy R.; Yoder, Bradley K.; Huang, Conway C.; Johnson, Martin
 R.; Hill, Aubrey E.; Johnson, Ronald L.; Ruppert, J. Michael
 CS Department of Medicine, Division of Hematology/Oncology, University of
 Alabama at Birmingham, Birmingham, AL, 35294, USA
 SO Cancer Research (2002), 62(20), 5867-5873
 CODEN: CNREA8; ISSN: 0008-5472
 PB American Association for Cancer Research
 DT Journal
 LA English
 RE.CNT 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:728435 CAPLUS
 DN 138:13016
 TI Dissecting the oncogenic potential of Gli2: deletion of an NH2-terminal
 fragment alters **skin** tumor phenotype
 AU Sheng, Hong; Goich, Sara; Wang, Aiqin; Grachtchouk, Marina; Lowe, Lori;
 Mo, Rong; Lin, Kui; De Sauvage, Frederic J.; Sasaki, Hiroshi; Hui,
 Chi-Chung; Dlugosz, Andrzej A.
 CS Comprehensive Cancer Center and Department of Dermatology, University of
 Michigan, Ann Arbor, MI, 48109, USA
 SO Cancer Research (2002), 62(18), 5308-5316
 CODEN: CNREA8; ISSN: 0008-5472
 PB American Association for Cancer Research
 DT Journal
 LA English
 RE.CNT 62 THERE ARE 62 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 7 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:728296 CAPLUS
 DN 138:104195
 TI Mucosal addressin cell adhesion molecule 1 plays an unexpected role in the
 development of mouse guard hair
 AU Nishioka, Eri; Tanaka, Toshiyuki; Yoshida, Hisahiro; Matsumura, Kazuyoshi;
 Nishikawa, Satomi; Naito, Asuka; Inoue, Jun-Ichiro; Funasaka, Yoko;
 Ichihashi, Masamitsu; Miyasaka, Masayuki; Nishikawa, Shin-Ichi
 CS Department of Molecular Genetics, Graduate School of Medicine, Kyoto
 University, Kyoto, Japan
 SO Journal of Investigative Dermatology (2002), 119(3), 632-638
 CODEN: JIDEAE; ISSN: 0022-202X
 PB Blackwell Publishing, Inc.
 DT Journal
 LA English
 RE.CNT 57 THERE ARE 57 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 8 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:713372 CAPLUS
 TI Photocarcinogenesis: UVA vs. UVB Radiation
 AU de Gruijl, Frank R.
 CS Department of Dermatology, Leiden University Medical Center/LUMC, Leiden,
 Neth.
 SO Skin Pharmacology and Applied Skin Physiology (2002), 15(5), 316-320
 CODEN: SPAPFF; ISSN: 1422-2868
 PB S. Karger AG
 DT Journal
 LA English
 RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 9 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2002:660472 CAPLUS
DN 137:382467
TI Shh-Bmp2 signaling module and the evolutionary origin and diversification of feathers
AU Harris, Matthew P.; Fallon, John F.; Prum, Richard O.
CS Department of Anatomy, University of Wisconsin, Madison, WI, 53706, USA
SO Journal of Experimental Zoology (2002), 294(2), 160-176
CODEN: JEZOAO; ISSN: 0022-104X
PB Wiley-Liss, Inc.
DT Journal
LA English
RE.CNT 67 THERE ARE 67 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 10 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2002:649762 CAPLUS
DN 138:87090
TI Differential Requirements for Shh in Mammary Tissue and Hair Follicle Morphogenesis
AU Gallego, Marta I.; Beachy, Philip A.; Hennighausen, Lothar; Robinson, Gertraud W.
CS Laboratory of Genetics and Physiology, National Institute of Diabetes, and Digestive and Kidney Diseases, Bethesda, MD, 20892, USA
SO Developmental Biology (Orlando, FL, United States) (2002), 249(1), 131-139
CODEN: DEBIAO; ISSN: 0012-1606
PB Elsevier Science
DT Journal
LA English
RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 11 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2002:640237 CAPLUS
DN 137:323363
TI FOXM1 is a downstream target of Gli1 in basal cell carcinomas
AU Teh, Muy-Teck; Wong, Soon-Tee; Neill, Graham W.; Ghali, Lucy R.; Philpott, Michael P.; Quinn, Anthony G.
CS Centre for Cutaneous Research, Barts & The London School of Medicine and Dentistry, Queen Mary, University of London, London, E1 2AT, UK
SO Cancer Research (2002), 62(16), 4773-4780
CODEN: CNREA8; ISSN: 0008-5472
PB American Association for Cancer Research
DT Journal
LA English
RE.CNT 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 12 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2002:619102 CAPLUS
DN 138:50342
TI Novel approaches to the diagnosis of basal cell nevus syndrome
AU High, Alec S.; Robinson, Philip A.
CS Diagnostic Services Department, Level 6, Medical and Dental School, University of Leeds, Leeds, LS2 9LU, UK
SO Expert Review of Molecular Diagnostics (2002), 2(4), 321-328
CODEN: ERMDCW; ISSN: 1473-7159
PB Future Drugs Ltd.
DT Journal; General Review
LA English
RE.CNT 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 13 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2002:612915 CAPLUS
TI In vivo enhanced expression of patched dampens the **sonic hedgehog** pathway
AU Bergstein, Ivan; Leopold, Philip L.; Sato, Noboru; Panteleyev, Andrei A.; Christiano, Angela M.; Crystal, Ronald G.
CS Division of Pulmonary and Critical Care Medicine, Division of Hematology-Oncology, Weill Medical College of Cornell University, New York, NY, 10021, USA
SO Molecular Therapy (2002), 6(2), 258-264
CODEN: MTOHCK; ISSN: 1525-0016
PB Elsevier Science
DT Journal
LA English
RE.CNT 60 THERE ARE 60 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 14 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2002:601056 CAPLUS
DN 137:335838
TI CUSP/p63 expression in basal cell carcinoma
AU Dellavalle, R. P.; Walsh, P.; Marchbank, A.; Grayson, T. E.; Su, L.-J.; Parker, E. R.; DeGregori, J.; Penheiter, K.; Aszterbaum, M.; Epstein, E. H., Jr.; Lee, L. A.
CS Department of Dermatology, University of Colorado School of Medicine, Denver, CO, USA
SO Experimental Dermatology (2002), 11(3), 203-208
CODEN: EXDEEY; ISSN: 0906-6705
PB Blackwell Munksgaard
DT Journal
LA English
RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 15 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2002:450667 CAPLUS
DN 137:260727
TI Carcinogenesis of basal cell carcinomas: Genetics and molecular mechanisms
AU Lacour, J. P.
CS Department of Dermatology, Hopital Archet-2, Nice, 06202/3, Fr.
SO British Journal of Dermatology, Supplement (2002), 146(61), 17-19
CODEN: BJDSA9; ISSN: 0366-077X
PB Blackwell Science Ltd.
DT Journal; General Review
LA English
RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 16 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2002:423670 CAPLUS
DN 137:138182
TI Gli and hedgehog in cancer: tumours, embryos and stem cells
AU Ruiz i Altaba, Ariel; Sanchez, Pilar; Dahmane, Nadia
CS New York University School of Medicine, Developmental Genetics Program and Department of Cell Biology, The Skirball Institute, New York, NY, 10016, USA
SO Nature Reviews Cancer (2002), 2(5), 361-372
CODEN: NRCAC4; ISSN: 1474-175X
PB Nature Publishing Group
DT Journal; General Review
LA English
RE.CNT 140 THERE ARE 140 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 17 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2002:172887 CAPLUS
DN 137:107138
TI Expression of a **sonic hedgehog** signal transducer,
hedgehog-interacting protein, by human basal cell carcinoma
AU Tojo, M.; Kiyosawa, H.; Iwatsuki, K.; Kaneko, F.
CS Departments of Dermatology, Fukushima Medical University School of
Medicine, Fukushima, 960-1295, Japan
SO British Journal of Dermatology (2002), 146(1), 69-73
CODEN: BJDEAZ; ISSN: 0007-0963
PB Blackwell Science Ltd.
DT Journal
LA English
RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 18 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2002:154057 CAPLUS
DN 136:323038
TI Gene expression profiling leads to identification of GLI1-binding elements
in target genes and a role for multiple downstream pathways in
GLI1-induced cell transformation
AU Yoon, Joon Won; Kita, Yasuhiro; Frank, Daniel J.; Majewski, Rebecca R.;
Konicek, Beth A.; Nobrega, Marcelo A.; Jacob, Howard; Walterhouse, David;
Iannaccone, Philip
CS Children's Memorial Institute for Education and Research, Northwestern
University Medical School, Chicago, IL, 60614, USA
SO Journal of Biological Chemistry (2002), 277(7), 5548-5555
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English
RE.CNT 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 19 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2002:88212 CAPLUS
DN 136:277013
TI Expression of .DELTA.NLef1 in mouse epidermis results in differentiation
of hair follicles into squamous epidermal cysts and formation of
skin tumours
AU Niemann, Catherin; Owens, David M.; Hulsken, Jorg; Birchmeier, Walter;
Watt, Fiona M.
CS Imperial Cancer Research Fund, London, WC2A 3PX, UK
SO Development (Cambridge, United Kingdom) (2002), 129(1), 95-109
CODEN: DEVPED; ISSN: 0950-1991
PB Company of Biologists Ltd.
DT Journal
LA English
RE.CNT 71 THERE ARE 71 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 20 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2002:50171 CAPLUS
DN 137:15381
TI Effect of adenovirus-mediated expression of **sonic**
hedgehog gene on hair regrowth in mice with chemotherapy-induced
alopecia
AU Sato, Noboru; Leopold, Philip L.; Crystal, Ronald G.
CS Division of Pulmonary and Critical Care Medicine, Weill Medical College of
Cornell University, New York, NY, 10021, USA
SO Journal of the National Cancer Institute (2001), 93(24), 1858-1864
CODEN: JNCIEQ; ISSN: 0027-8874
PB Oxford University Press

DT Journal

LA English

RE.CNT 73 THERE ARE 73 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 21 OF 197 CAPLUS COPYRIGHT 2003 ACS

AN 2002:18913 CAPLUS

DN 136:181098

TI Suppression of hair follicle development inhibits induction of
sonic hedgehog, patched, and patched-2 in hair germs in
mice

AU Yamago, Gabriela; Takata, Yoshimi; Furuta, Isao; Urase, Koko; Momoi,
Takashi; Huh, Nam-ho

CS Department of Cell Biology, Okayama University Graduate School of Medicine
and Dentistry, Okayama, 700-8558, Japan

SO Archives of Dermatological Research (2001), 293(9), 435-441
CODEN: ADREDL; ISSN: 0340-3696

PB Springer-Verlag

DT Journal

LA English

RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 22 OF 197 CAPLUS COPYRIGHT 2003 ACS

AN 2001:920878 CAPLUS

DN 136:383788

TI Immunohistochemical detection for nuclear .beta.-catenin in sporadic basal
cell carcinoma

AU Yamazaki, F.; Aragane, Y.; Kawada, A.; Tezuka, T.

CS Department of Dermatology, Kinki University School of Medicine, Osaka,
589-8511, Japan

SO British Journal of Dermatology (2001), 145(5), 771-777
CODEN: BJDEAZ; ISSN: 0007-0963

PB Blackwell Science Ltd.

DT Journal

LA English

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 23 OF 197 CAPLUS COPYRIGHT 2003 ACS

AN 2001:889930 CAPLUS

DN 136:181078

TI Acceleration of the formation of cultured epithelium using the
sonic hedgehog expressing feeder cells

AU Kameda, Takashi; Hatakeyama, Shin; Terada, Kunihiro; Sugiyama, Toshihiro

CS Department of Biochemistry, Akita University School of Medicine, Akita,
Japan

SO Tissue Engineering (2001), 7(5), 545-555
CODEN: TIENFP; ISSN: 1076-3279

PB Mary Ann Liebert, Inc.

DT Journal

LA English

RE.CNT 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 24 OF 197 CAPLUS COPYRIGHT 2003 ACS

AN 2001:752490 CAPLUS

Correction of: 2001:391983

DN 135:255611

Correction of: 135:4157

TI Sporadic basal cell carcinoma detection by measuring for elevated levels
of ectopic expression of Glil

IN Ruiz i Altaba, Ariel

PA New York University, USA

SO U.S., 21 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6238876	B1	20010529	US 1998-102491	19980622
PRAI	US 1997-50286P	P	19970620		

L3 ANSWER 25 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2001:749543 CAPLUS
DN 136:35262
TI Noggin is required for induction of the hair follicle growth phase in postnatal **skin**
AU Botchkarev, Vladimir A.; Botchkareva, Natalia V.; Nakamura, Motonobu; Huber, Otmar; Funa, Keiko; Lauster, Roland; Paus, Ralf; Gilchrest, Barbara A.
CS Department of Dermatology, Boston University School of Medicine, Boston, MA, 02118, USA
SO FASEB Journal (2001), 15(12), 2205-2214
CODEN: FAJOEC; ISSN: 0892-6638
PB Federation of American Societies for Experimental Biology
DT Journal
LA English
RE.CNT 68 THERE ARE 68 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 26 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2001:747593 CAPLUS
DN 135:283224
TI Small organic molecule hedgehog agonists as regulators of cell proliferation and differentiation
IN Baxter, Anthony David; Boyd, Edward Andrew; Guicherit, Oivin M.; Porter, Jeffrey; Price, Stephen; Rubin, Lee E.
PA Curis, Inc., USA
SO PCT Int. Appl., 246 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001074344	A2	20011011	WO 2001-US10296	20010330
	WO 2001074344	A3	20020523		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1272168	A2	20030108	EP 2001-922914	20010330
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
PRAI	US 2000-193279P	P	20000330		
	US 2000-724492	A	20001128		
	US 2000-724955	A	20001128		
	WO 2001-US10296	W	20010330		
OS	MARPAT 135:283224				

L3 ANSWER 27 OF 197 CAPLUS COPYRIGHT 2003 ACS

AN 2001:671801 CAPLUS
 DN 136:214510
 TI Expression of the **sonic hedgehog** receptor "PATCHED" in basal cell carcinomas and odontogenic keratocysts
 AU Zedan, W.; Robinson, P. A.; Markham, A. F.; High, A. S.
 CS Molecular Medicine Unit, St James's University Hospital, University of Leeds, Leeds, LS9 7TF, UK
 SO Journal of Pathology (2001), 194(4), 473-477
 CODEN: JPTLAS; ISSN: 0022-3417
 PB John Wiley & Sons Ltd.
 DT Journal
 LA English
 RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 28 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:611202 CAPLUS
 DN 136:244864
 TI Characterization of Wnt gene expression in developing and postnatal hair follicles and identification of Wnt5a as a target of **Sonic hedgehog** in hair follicle morphogenesis
 AU Reddy, S.; Andl, T.; Bagasra, A.; Lu, M. M.; Epstein, D. J.; Morrissey, E. E.; Millar, S. E.
 CS Departments of Dermatology and Cell and Developmental Biology, University of Pennsylvania School of Medicine, Philadelphia, PA, 19104, USA
 SO Mechanisms of Development (2001), 107(1-2), 69-82
 CODEN: MEDVE6; ISSN: 0925-4773
 PB Elsevier Science Ireland Ltd.
 DT Journal
 LA English
 RE.CNT 96 THERE ARE 96 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 29 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:391983 CAPLUS
 DN 135:4157
 TI Sporadic basal cell carcinoma detection by measuring for elevated levels of ectopic expression of Gli1
 IN Ruiz i Altaba, Ariel
 PA New York University, USA
 SO U.S., 21 pp.
 CODEN: USXXAM
 DT Patent
 LA English

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6238876 B1		20010529	US 1998-102491	19980622
US 1997-PV50286		19970620		

RE.CNT 65 THERE ARE 65 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 30 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:208250 CAPLUS
 DN 134:252352
 TI Preparation of 3-aryl-2-arylhureidoalkylquinazolin-4-ones and related compounds as mediators of hedgehog signaling pathways.
 IN Baxter, Anthony David; Boyd, Edward Andrew; Guichert, Oivin M.; Price, Stephen; Rubin, Lee D.
 PA Curis, Inc., USA
 SO PCT Int. Appl., 177 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001019800	A2	20010322	WO 2000-US25461	20000915
	WO 2001019800	A3	20011206		
	WO 2001019800	C2	20021003		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1216234	A2	20020626	EP 2000-963551	20000915
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
PRAI	US 1999-154526P	P	19990916		
	US 1999-159412P	P	19991014		
	US 1999-162899P	P	19991101		
	WO 2000-US25461	W	20000915		
OS	MARPAT 134:252352				

L3 ANSWER 31 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2001:122902 CAPLUS
DN 134:232034
TI Fibroblast growth factor receptor 2-IIIb acts upstream of Shh and Fgf4 and is required for limb bud maintenance but not for the induction of Fgf8, Fgf10, Msx1, or Bmp4
AU Revest, Jean-Michel; Spencer-Dene, Bradley; Kerr, Karen; De Moerlooze, Laurence; Rosewell, Ian; Dickson, Clive
CS Imperial Cancer Research Fund, London, WC2A 3PX, UK
SO Developmental Biology (Orlando, FL, United States) (2001), 231(1), 47-62
CODEN: DEBIAO; ISSN: 0012-1606
PB Academic Press
DT Journal
LA English
RE.CNT 61 THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 32 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2001:96017 CAPLUS
DN 134:249735
TI Dorsal dermis development depends on a signal from the dorsal neural tube, which can be substituted by Wnt-1
AU Olivera-Martinez, I.; Thelu, J.; Teillet, M.-A.; Dhouailly, D.
CS Equipe Biologie de la Differentiation Epitheliale, UMR Centre National de la Recherche Scientifique (CNRS) 5538, LEDAC, Institut Albert Bonniot, Universite Joseph Fourier, Grenoble, Fr.
SO Mechanisms of Development (2001), 100(2), 233-244
CODEN: MEDVE6; ISSN: 0925-4773
PB Elsevier Science Ireland Ltd.
DT Journal
LA English
RE.CNT 71 THERE ARE 71 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 33 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2001:60901 CAPLUS
DN 134:232541
TI Post-transcriptional regulation of the GLI1 oncogene by the expression of alternative 5' untranslated regions
AU Wang, Xue-Qing; Rothnagel, Joseph A.
CS Department of Biochemistry and the Institute for Molecular Bioscience, The

University of Queensland, Queensland, 4072, Australia
SO Journal of Biological Chemistry (2001), 276(2), 1311-1316
CODEN: JBCHA3; ISSN: 0021-9258
PB American Society for Biochemistry and Molecular Biology
DT Journal
LA English
RE.CNT 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 34 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2000:763231 CAPLUS
DN 134:51125
TI Regulation of Gli activity by all-trans retinoic acid in mouse
keratinocytes
AU Goyette, Philippe; Allan, Deborah; Peschard, Pascal; Chen, Chang Feng;
Wang, Wei; Lohnes, David
CS The Institut de Recherches Cliniques de Montreal, Montreal, QC, H2W 1R7,
Can.
SO Cancer Research (2000), 60(19), 5386-5389
CODEN: CNREA8; ISSN: 0008-5472
PB American Association for Cancer Research
DT Journal
LA English
RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 35 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2000:633225 CAPLUS
DN 133:319809
TI Conservation of early odontogenic signaling pathways in Aves
AU Chen, YiPing; Zhang, Yanding; Jiang, Ting-Xing; Barlow, Amanda J.; St.
Amand, Tara R.; Hu, Yueping; Heaney, Shaun; Francis-West, Philippa;
Chuong, Cheng-Ming; Maas, Richard
CS Division of Genetics, Department of Medicine, Brigham and Women's Hospital
and Harvard Medical School, Boston, MA, 02115, USA
SO Proceedings of the National Academy of Sciences of the United States of
America (2000), 97(18), 10044-10049
CODEN: PNASA6; ISSN: 0027-8424
PB National Academy of Sciences
DT Journal
LA English
RE.CNT 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 36 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2000:391267 CAPLUS
DN 133:277101
TI Wnt signaling maintains the hair-inducing activity of the dermal papilla
AU Kishimoto, Jiro; Burgeson, Robert E.; Morgan, Bruce A.
CS Cutaneous Biology Research Center, Massachusetts General Hospital and
Harvard Medical School, Charlestown, MA, 02129, USA
SO Genes & Development (2000), 14(10), 1181-1185
CODEN: GEDEEP; ISSN: 0890-9369
PB Cold Spring Harbor Laboratory Press
DT Journal
LA English
RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 37 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2000:364293 CAPLUS
DN 133:133242
TI UV-specific mutations of the human patched gene in basal cell carcinomas
from normal individuals and xeroderma pigmentosum patients

AU Daya-Grosjean, L.; Sarasin, A.
 CS UPR 42, Laboratory of Molecular Genetics, CNRS, Institut de Recherche sur
 le Cancer, Villejuif, 94801, Fr.
 SO Mutation Research (2000), 450(1,2), 193-199
 CODEN: MUREAV; ISSN: 0027-5107
 PB Elsevier Science B.V.
 DT Journal; General Review
 LA English
 RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 38 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 2000:348738 CAPLUS
 DN 133:87151
 TI Conditional disruption of hedgehog signaling pathway defines its critical
 role in hair development and regeneration
 AU Wang, Li Chun; Liu, Zhong-Ying; Gambardella, Laure; Delacour, Alexandra;
 Shapiro, Renee; Yang, Jianliang; Sizing, Irene; Rayhorn, Paul; Garber,
 Ellen A.; Benjamin, Chris D.; Williams, Kevin P.; Taylor, Frederick R.;
 Barrandon, Yann; Ling, Leona; Burkly, Linda C.
 CS Biogen Inc, Cambridge, MA, 02142, USA
 SO Journal of Investigative Dermatology (2000), 114(5), 901-908
 CODEN: JIDEAE; ISSN: 0022-202X
 PB Blackwell Science, Inc.
 DT Journal
 LA English
 RE.CNT 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 39 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 2000:282741 CAPLUS
 DN 133:41366
 TI The normal patched allele is expressed in medulloblastomas from mice with
 heterozygous germ-line mutation of patched
 AU Wetmore, Cynthia; Eberhart, Derek E.; Curran, Tom
 CS Departments of Developmental Neurobiology and Hematology/Oncology, St.
 Jude Children's Research Hospital, Memphis, TN, 38105, USA
 SO Cancer Research (2000), 60(8), 2239-2246
 CODEN: CNREA8; ISSN: 0008-5472
 PB American Association for Cancer Research
 DT Journal
 LA English
 RE.CNT 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 40 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 2000:240999 CAPLUS
 DN 132:289603
 TI Human PATCHED 2 gene involved in the **sonic hedgehog**
 signaling pathway
 IN Zaphiropoulos, Peter G.; Uden, Anne Birgitte; Toftgard, Rune; Rahnama,
 Fahimeh; Hollingsworth, Robert E.
 PA Karolinska Innovations Ab, Swed.; Pharmacia & Upjohn Company
 SO PCT Int. Appl., 55 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000020037	A1	20000413	WO 1999-SE1784	19991006
	W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU,			
		CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL,			
		IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD,			

MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK,
 SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ,
 BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
 DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
 CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 EP 1121157 A1 20010808 EP 1999-956430 19991006
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO
 JP 2002526050 T2 20020820 JP 2000-573395 19991006
 PRAI SE 1998-3393 A 19981006
 WO 1999-SE1784 W 19991006
 RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 41 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 2000:231955 CAPLUS
 DN 133:3159
 TI Induction of basal cell carcinomas and trichoepitheliomas in mice
 overexpressing GLI-1
 AU Nilsson, Mats; Uden, Anne Birgitte; Krause, Darren; Malmqwist, Ulrica;
 Raza, Karima; Zaphiropoulos, Peter G.; Toftgard, Rune
 CS Department of Biosciences at Novum, Karolinska Institutet, Huddinge,
 SE-141 57, Swed.
 SO Proceedings of the National Academy of Sciences of the United States of
 America (2000), 97(7), 3438-3443
 CODEN: PNASA6; ISSN: 0027-8424
 PB National Academy of Sciences
 DT Journal
 LA English
 RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 42 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 2000:227528 CAPLUS
 DN 132:270066
 TI Hedgehog and patched antagonists for inhibiting cell and tissue growth and
 differentiation and uses thereof
 IN Burkly, Linda; Wang, Li Chun
 PA Biogen, Inc., USA
 SO PCT Int. Appl., 55 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000018428	A2	20000406	WO 1999-US20852	19990910
	WO 2000018428	A3	20000525		
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	CA 2343335	AA	20000406	CA 1999-2343335	19990910
	AU 9959186	A1	20000417	AU 1999-59186	19990910
	EP 1112087	A2	20010704	EP 1999-946873	19990910
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
	US 2002015702	A1	20020207	US 2001-804490	20010312
PRAI	US 1998-100037P	P	19980911		

WO 1999-US20852 W 19990910

L3 ANSWER 43 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2000:192942 CAPLUS
DN 132:306552
TI Basal cell carcinomas in mice overexpressing Gli2 in skin
AU Grachtchouk, Marina; Mo, Rong; Yu, Sandy; Zhang, Xiaoyun; Sasaki, Hiroshi;
Hui, Chi-Chung; Dlugosz, Andrzej A.
CS University of Michigan Comprehensive Cancer Center and Department of
Dermatology, Ann Arbor, MI, USA
SO Nature Genetics (2000), 24(3), 216-217
CODEN: NGENEC; ISSN: 1061-4036
PB Nature America
DT Journal
LA English
RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 44 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 2000:156988 CAPLUS
DN 132:306524
TI Expression of **sonic hedgehog** and its receptor
patched/smoothed in human cancer cell lines and embryonic organs
AU Tate, Genshu; Kishimoto, Koji; Mitsuya, Toshiyuki
CS Department of Surgical Pathology, Showa University Fujigaoka Hospital,
Yokohama, 227-8501, Japan
SO Journal of Biochemistry, Molecular Biology and Biophysics (2000), 4(1),
27-34
CODEN: JBMBF6; ISSN: 1025-8140
PB Harwood Academic Publishers
DT Journal
LA English
RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 45 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 1999:644668 CAPLUS
DN 131:335222
TI **Sonic hedgehog** opposes epithelial cell cycle arrest
AU Fan, Hongran; Khavari, Paul A.
CS VA Palo Alto Health Care System, Palo Alto, CA, 94304, USA
SO Journal of Cell Biology (1999), 147(1), 71-76
CODEN: JCLBA3; ISSN: 0021-9525
PB Rockefeller University Press
DT Journal
LA English
RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 46 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 1999:644628 CAPLUS
DN 131:335035
TI Induction of the hair growth phase in postnatal mice by localized
transient expression of **sonic hedgehog**
AU Sato, Noboru; Leopold, Philip L.; Crystal, Ronald G.
CS Division of Pulmonary and Critical Care Medicine, Weill Medical College of
Cornell University-New York Presbyterian Hospital, New York, NY, 10021,
USA
SO Journal of Clinical Investigation (1999), 104(7), 855-864
CODEN: JCINAO; ISSN: 0021-9738
PB American Society for Clinical Investigation
DT Journal
LA English
RE.CNT 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 47 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 1999:461944 CAPLUS
 DN 131:209538
 TI Roles for PDGF-A and **sonic hedgehog** in development of
 mesenchymal components of the hair follicle
 AU Karlsson, Linda; Bondjers, Cecilia; Betsholtz, Christer
 CS Department of Medical Biochemistry, Goteborg University, Goteborg, SE 405
 30, Swed.
 SO Development (Cambridge, United Kingdom) (1999), 126(12), 2611-2621
 CODEN: DEVPED; ISSN: 0950-1991
 PB Company of Biologists Ltd.
 DT Journal
 LA English
 RE.CNT 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 48 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 1999:461941 CAPLUS
 DN 131:182549
 TI Wnt-7a in feather morphogenesis: involvement of anterior-posterior
 asymmetry and proximal-distal elongation demonstrated with an in vitro
 reconstitution model
 AU Widelitz, Randall B.; Jiang, Ting-Xin; Chen, Chia-Wei Janet; Stott, N.
 Susan; Chuong, Cheng-Ming
 CS Department of Pathology, School of Medicine, University of Southern
 California, Los Angeles, CA, 90033, USA
 SO Development (Cambridge, United Kingdom) (1999), 126(12), 2577-2587
 CODEN: DEVPED; ISSN: 0950-1991
 PB Company of Biologists Ltd.
 DT Journal
 LA English
 RE.CNT 66 THERE ARE 66 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 49 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 1999:398100 CAPLUS
 DN 131:197850
 TI The patched/hedgehog/smoothed signaling pathway in human breast cancer:
 no evidence for H133Y SHH, PTCH and SMO mutations
 AU Vorechovsky, I.; Benediktsson, K. P.; Toftgard, R.
 CS Department of Biosciences at Novum, Karolinska Institute, Huddinge,
 S-14157, Swed.
 SO European Journal of Cancer (1999), 35(5), 711-713
 CODEN: EJCAEL; ISSN: 0959-8049
 PB Elsevier Science Ltd.
 DT Journal
 LA English
 RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 50 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 1999:282115 CAPLUS
 DN 130:320865
 TI Regulation of epithelial tissue by hedgehog-like polypeptides for
 stimulation of **skin** or hair formation
 IN Wang, Elizabeth A.
 PA Ontogeny, Inc., USA
 SO PCT Int. Appl., 146 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9920298	A1	19990429	WO 1998-US22227	19981020
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 2002151460	A1	20021017	US 1998-151999	19980911
	CA 2307322	AA	19990429	CA 1998-2307322	19981020
	AU 9911089	A1	19990510	AU 1999-11089	19981020
	EP 1028741	A1	20000823	EP 1998-953814	19981020
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2001520202	T2	20011030	JP 2000-516694	19981020
PRAI	US 1997-955552	A	19971020		
	US 1998-151999	A	19980911		
	WO 1998-US22227	W	19981020		

OS MARPAT 130:320865

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 51 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 1999:123272 CAPLUS
DN 130:294747
TI A frequent activated smoothened mutation in sporadic basal cell carcinomas
AU Lam, Ching-Wan; Xie, Jingwu; To, Ka-Fai; Ng, Ho-Keung; Lee, Kam-Cheong; Yuen, Nancy Wah-Fun; Lim, Pak-Leong; Chan, Lisa Yuen-Shan; Tong, Sui-Fan; McCormick, Frank
CS Department of Chemical Pathology, Prince of Wales Hospital, The Chinese University of Hong Kong, Hong Kong
SO Oncogene (1999), 18(3), 833-836
CODEN: ONCNES; ISSN: 0950-9232
PB Stockton Press
DT Journal
LA English

RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 52 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 1999:120086 CAPLUS
DN 130:309836
TI PTCH2, a novel human patched gene, undergoing alternative splicing and up-regulated in basal cell carcinomas
AU Zaphiropoulos, Peter G.; Uden, Anne Birgitte; Rahnama, Fahimeh; Hollingsworth, Robert E.; Toftgard, Rune
CS Dep. Bioscience, Cent. Nutr. Toxicol., Karolinska Inst., Huddinge, 141 57, Swed.
SO Cancer Research (1999), 59(4), 787-792
CODEN: CNREA8; ISSN: 0008-5472
PB AACR Subscription Office
DT Journal
LA English

RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 53 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 1999:67403 CAPLUS
DN 130:235209
TI Essential role for **Sonic hedgehog** during hair follicle morphogenesis

AU Chiang, Chin; Swan, Ryan Z.; Grachtchouk, Marina; Bolinger, Matthew;
Litington, Ying; Robertson, Erin K.; Cooper, Michael K.; Gaffield,
William; Westphal, Heiner; Beachy, Philip A.; Dlugosz, Andrzej A.
CS Laboratory of Mammalian Genes and Development, National Institutes of
Health, Bethesda, MD, 20892, USA
SO Developmental Biology (1999), 205(1), 1-9
CODEN: DEBIAO; ISSN: 0012-1606
PB Academic Press
DT Journal
LA English
RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 54 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 1998:802904 CAPLUS
DN 130:136877
TI Involvement of the **Sonic hedgehog**, patched 1 and bmp2
genes in patterning of the zebrafish dermal fin rays
AU Laforest, Lynda; Brown, Christopher W.; Poleo, German; Geraudie,
Jacqueline; Tada, Masazumi; Ekker, Marc; Akimenko, Marie-Andree
CS Loeb Institute for Medical Research, Ottawa Civic Hospital, and Department
of Cellular and Molecular Medicine, University of Ottawa, Ottawa, ON, K1Y
4E9, Can.
SO Development (Cambridge, United Kingdom) (1998), 125(21), 4175-4184
CODEN: DEVPED; ISSN: 0950-1991
PB Company of Biologists Ltd.
DT Journal
LA English
RE.CNT 56 THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 55 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 1998:798476 CAPLUS
DN 130:151807
TI De novo hair follicle morphogenesis and hair tumors in mice expressing a
truncated .beta.-catenin in **skin**
AU Gat, Uri; DasGupta, Ramanuj; Degenstein, Linda; Fuchs, Elaine
CS Howard Hughes Medical Institute, Department of Molecular Genetics and Cell
Biology, The University of Chicago, Chicago, IL, 60637, USA
SO Cell (Cambridge, Massachusetts) (1998), 95(5), 605-614
CODEN: CELLB5; ISSN: 0092-8674
PB Cell Press
DT Journal
LA English
RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 56 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 1998:745349 CAPLUS
DN 130:93139
TI Characterization of two patched receptors for the vertebrate hedgehog
protein family
AU Carpenter, David; Stone, Donna M.; Brush, Jennifer; Ryan, Anne; Armanini,
Mark; Frantz, Gretchen; Rosenthal, Arnon; De Sauvage, Frederic J.
CS Departments of Mol. Oncol., Genentech Inc., South San Francisco, CA,
94080, USA
SO Proceedings of the National Academy of Sciences of the United States of
America (1998), 95(23), 13630-13634
CODEN: PNASA6; ISSN: 0027-8424
PB National Academy of Sciences
DT Journal
LA English
RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 57 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 1998:645744 CAPLUS
DN 130:2406
TI **Sonic hedgehog** signaling is essential for hair development
AU St-Jacques, B.; Dassule, H. R.; Karavanova, I.; Botchkarev, V. A.; Li, J.; Danielian, P. S.; McMahon, J. A.; Lewis, P. M.; Paus, R.; McMahon, A. P.
CS Molecular and Cellular Biology, Harvard University, Cambridge, MA, 02138, USA
SO Current Biology (1998), 8(19), 1058-1068
CODEN: CUBLE2; ISSN: 0960-9822
PB Current Biology Ltd.
DT Journal
LA English
RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 58 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 1998:608211 CAPLUS
DN 129:300222
TI Stage-specific effects of **Sonic Hedgehog** expression in the epidermis
AU Morgan, Bruce A.; Orkin, Roslyn W.; Noramly, Selina; Perez, Alejandro
CS Cutaneous Biology Research Center, Harvard Medical School, Massachusetts General Hospital, Charlestown, MA, 02129, USA
SO Developmental Biology (1998), 201(1), 1-12
CODEN: DEBIAO; ISSN: 0012-1606
PB Academic Press
DT Journal
LA English
RE.CNT 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 59 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 1998:273433 CAPLUS
DN 129:50308
TI Missense mutations in SMOH in sporadic basal cell carcinomas of the **skin** and primitive neuroectodermal tumors of the central nervous system
AU Reifenberger, Julia; Wolter, Marietta; Weber, Ruthild G.; Megahed, Mosaad; Ruzicka, Thomas; Lichter, Peter; Reifenberger, Guido
CS Institut fur, Hautklinik, Heinrich-Heine-Universitat, Dusseldorf, D-40225, Germany
SO Cancer Research (1998), 58(9), 1798-1803
CODEN: CNREA8; ISSN: 0008-5472
PB American Association for Cancer Research
DT Journal
LA English
RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 60 OF 197 CAPLUS COPYRIGHT 2003 ACS
AN 1998:216143 CAPLUS
DN 129:38925
TI The roles of **sonic hedgehog** and TGF-beta in epithelial-mesenchymal interactions in avian **skin** development
AU Ting-Berreth, Sheree Ai-Chien
CS Univ. of Southern California, Los Angeles, CA, USA
SO (1997) 158 pp. Avail.: UMI, Order No. DA9816120
From: Diss. Abstr. Int., B 1998, 58(11), 5752
DT Dissertation
LA English

L3 ANSWER 61 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 1998:177039 CAPLUS
 DN 128:293393
 TI No evidence for the H133Y mutation in **SONIC HEDGEHOG**
 in a collection of common tumor types
 AU Wicking, Carol; Evans, Timothy; Henk, Bettina; Hayward, Nicholas; Simms,
 Lisa A.; Chenevix-Trench, Georgia; Pietsch, Torsten; Wainwright, Brandon
 CS Centre for Molecular and Cellular Biology, University of Queensland, St
 Lucia, 4072, Australia
 SO Oncogene (1998), 16(8), 1091-1093
 CODEN: ONCNES; ISSN: 0950-9232
 PB Stockton Press
 DT Journal
 LA English

L3 ANSWER 62 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 1998:40072 CAPLUS
 DN 128:163453
 TI Activating Smoothened mutations in sporadic basal-cell carcinoma
 AU Xie, Jingwu; Murone, Maximilien; Luoh, Shiuh-Ming; Ryan, Anne; Gu, Qimin;
 Zhang, Chaohui; Bonifas, Jeannette M.; Lam, Ching-Wan; Hynes, Mary;
 Goddard, Audrey; Rosenthal, Arnon; Epstein, Ervin H., Jr.; de Sauvage,
 Frederic J.
 CS Dep. Dermatology, San Francisco General Hospital, Univ. California, San
 Francisco, CA, 94110, USA
 SO Nature (London) (1998), 391(6662), 90-92
 CODEN: NATUAS; ISSN: 0028-0836
 PB Macmillan Magazines
 DT Journal
 LA English

L3 ANSWER 63 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 1997:799553 CAPLUS
 DN 128:60141
 TI Activation of the transcription factor Glil and the **Sonic**
hedgehog signalling pathway in **skins** tumors. [Erratum to
 document cited in CA128:2438]
 AU Dahmane, N.; Lee, J.; Robins, P.; Heller, P.; Ruiz i Altaba, A.
 CS Dev. Genet Program, Dep. Cell Biol., Skirball Inst., New York Univ. Med.
 Cent., New York, NY, 10016, USA
 SO Nature (London) (1997), 390(6659), 536
 CODEN: NATUAS; ISSN: 0028-0836
 PB Macmillan Magazines
 DT Journal
 LA English

L3 ANSWER 64 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 1997:690810 CAPLUS
 DN 128:2438
 TI Activation of the transcription factor Glil and the **sonic**
hedgehog signaling pathway in **skin** tumors
 AU Dahmane, N.; Lee, J.; Robins, P.; Heller, P.; Ruiz i Altaba, A.
 CS Dev. Genet. Program, Dep. Cell Biol., Skirball Inst., New York Univ. Med.
 Cent., New York, NY, 10016, USA
 SO Nature (London) (1997), 389(6653), 876-881
 CODEN: NATUAS; ISSN: 0028-0836
 PB Macmillan Magazines
 DT Journal
 LA English

L3 ANSWER 65 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 1997:550394 CAPLUS
 DN 127:260741
 TI Altered neural cell fates and medulloblastoma in mouse patched mutants

AU Goodrich, Lisa V.; Milenkovic, Ljiljana; Higgins, Kay M.; Scott, Matthew P.
 CS Dep. Dev. Biol. Genetics Howard Hughes Med. Inst., Stanford Univ. Sch. Med., Stanford, CA, 94305-5427, USA
 SO Science (Washington, D. C.) (1997), 277(5329), 1109-1113
 CODEN: SCIEAS; ISSN: 0036-8075
 PB American Association for the Advancement of Science
 DT Journal
 LA English

L3 ANSWER 66 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 1997:521015 CAPLUS
 DN 127:218650
 TI Somatic mutations in the human homolog of Drosophila patched in primitive neuroectodermal tumors
 AU Vorechovsky, I.; Tingby, O.; Hartman, M.; Stroemberg, B.; Nister, M.; Collins, V. P.; Toftgaard, R.
 CS Department of Biosciences at Novum, Center for Nutrition and Toxicology, Karolinska Institute, Huddinge, S-14157, Swed.
 SO Oncogene (1997), 15(3), 361-366
 CODEN: ONCNES; ISSN: 0950-9232
 PB Stockton
 DT Journal
 LA English

L3 ANSWER 67 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 1997:426937 CAPLUS
 DN 127:147718
 TI Induction of basal cell carcinoma features in transgenic human **skin** expressing **sonic Hedgehog**
 AU Fan, Hongran; Oro, Anthony E.; Scott, Matthew P.; Khavari, Paul A.
 CS Veterans Affairs Palo Alto Health Care System, Palo Alto, CA, 94304, USA
 SO Nature Medicine (New York) (1997), 3(7), 788-792
 CODEN: NAMEFI; ISSN: 1078-8956
 PB Nature America
 DT Journal
 LA English

L3 ANSWER 68 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 1997:297973 CAPLUS
 DN 127:3594
 TI Basal cell carcinomas in mice overexpressing **sonic hedgehog**
 AU Oro, Anthony E.; Higgins, Kay M.; Hu, Zhilan; Bonifas, Jeannett M.; Epstein, Ervin H., Jr.; Scott, Matthew P.
 CS Howard Hughes Med. Inst., Departments Dermatology, Developmental Biology, and Genetics, Stanford Univ. Sch. Med., Stanford, CA, 94305-5427, USA
 SO Science (Washington, D. C.) (1997), 276(5313), 817-821
 CODEN: SCIEAS; ISSN: 0036-8075
 PB American Association for the Advancement of Science
 DT Journal
 LA English

L3 ANSWER 69 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 1997:119723 CAPLUS
 DN 126:209805
 TI Ectodermal patterning in vertebrate embryos
 AU Sasai, Yoshiki; de Robertis, Eddy M.
 CS Howard Hughes Medical Inst., Univ. California, Los Angeles, CA, 90095-1737, USA
 SO Developmental Biology (1997), 182(1), 5-20
 CODEN: DEBIAO; ISSN: 0012-1606
 PB Academic
 DT Journal; General Review

LA English

L3 ANSWER 70 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 1997:107623 CAPLUS
 TI Genetic analysis of fin formation in zebrafish, *Danio rerio*
 AU van Eeden, Fredericus J. M.; Granato, Michael; Schach, Ursula; Brand, Michael; Furutani-Seiki, Makoto; Haffter, Pascal; Hammerschmidt, Matthias; Heisenberg, Carl-Philipp; Jiang, Yun-Jin; Kane, Donald A.; Kelsh, Robert N.; Mullins, Mary C.; Odenthal, Joerg; Warga, Rachel M.; Nusslein-Volhard, Christiane
 CS MPI Entwicklungsbiol., Tuebingen, 72076, Germany
 SO Development (Cambridge, United Kingdom) (1996), 123, 255-262
 CODEN: DEVPED; ISSN: 0950-1991
 PB Company of Biologists
 DT Journal
 LA English

L3 ANSWER 71 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 1997:23510 CAPLUS
 DN 126:87278
 TI FGF induces new feather buds from developing avian **skin**
 AU Widelitz, Randall B.; Jiang, Ting-Xin; Noveen, Alexander; Chen, Chia-Wei Janet; Chuong, Cheng-Ming
 CS Department Pathology, University Southern California, Los Angeles, CA, 90030, USA
 SO Journal of Investigative Dermatology (1996), 107(6), 797-803
 CODEN: JIDEAE; ISSN: 0022-202X
 PB Blackwell
 DT Journal
 LA English

L3 ANSWER 72 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 1996:737545 CAPLUS
 DN 126:115837
 TI The ectodermal control in chick limb development: Wnt-7a, Shh, Bmp-2 and Bmp-4 expression and the effect of FGF-4 on gene expression
 AU Akita, Keiichi; Francis-West, Philippa; Vargesson, Neil
 CS Department of Anatomy and Developmental Biology, University College and Middlesex Medical School, Cleveland Street, London W1P, UK
 SO Mechanisms of Development (1996), 60(2), 127-137
 CODEN: MEDVE6; ISSN: 0925-4773
 PB Elsevier
 DT Journal
 LA English

L3 ANSWER 73 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 1996:691981 CAPLUS
 DN 126:29313
 TI Local delivery of TGF .beta.2 can substitute for placode epithelium to induce mesenchymal condensation during **skin** appendage morphogenesis
 AU Ting-Berreth, Sheree A.; Chuong, Cheng-Ming
 CS Department Pathology, University Southern California, Los Angeles, CA, 90033, USA
 SO Developmental Biology (1996), 179(2), 347-359
 CODEN: DEBIAO; ISSN: 0012-1606
 PB Academic
 DT Journal
 LA English

L3 ANSWER 74 OF 197 CAPLUS COPYRIGHT 2003 ACS
 AN 1996:642373 CAPLUS
 DN 125:323449
 TI Early events during avian **skin** appendage regeneration:

Dependence on epithelial-mesenchymal interaction and order of molecular reappearace

AU Chuong, Cheng-Ming; Widelitz, Randall B.; Ting-Berreth, Sheree; Jiang, Ting-Xin

CS School Medicine, University Southern California, Los Angeles, CA, 90033, USA

SO Journal of Investigative Dermatology (1996), 107(4), 639-646
CODEN: JIDEAE; ISSN: 0022-202X

PB Blackwell

DT Journal

LA English

L3 ANSWER 75 OF 197 CAPLUS COPYRIGHT 2003 ACS

AN 1996:312390 CAPLUS

DN 125:2668

TI A mammalian patched homolog is expressed in target tissues of **sonic hedgehog** and maps to a region associated with developmental abnormalities

AU Hahn, Heidi; Christiansen, Jeffrey; Wicking, Carol; Zaphiropoulos, Peter G.; Chidambaram, Abirami; Gerrard, Bernard; Vorechovsky, Igor; Bale, Allen E.; Toftgard, Rune; et al.

CS Human Genetics Section, Frederick Cancer Res., Frederick, MD, 21702, USA

SO Journal of Biological Chemistry (1996), 271(21), 12125-12128
CODEN: JBCHA3; ISSN: 0021-9258

PB American Society for Biochemistry and Molecular Biology

DT Journal

LA English

L3 ANSWER 76 OF 197 CAPLUS COPYRIGHT 2003 ACS

AN 1996:114614 CAPLUS

DN 124:141475

TI cAMP, an activator of protein kinase A, suppresses the expression of **sonic hedgehog**

AU Noveen, Alexander; Jiang, Ting-Xin; Chuong, Cheng-Ming

CS Dep. Biochem. Mol. Biol., Univ. South California, Los Angeles, CA, 90033, USA

SO Biochemical and Biophysical Research Communications (1996), 219(1), 180-5
CODEN: BBRCA9; ISSN: 0006-291X

PB Academic

DT Journal

LA English

L3 ANSWER 77 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 2003:96142 BIOSIS

DN PREV200300096142

TI Increases in adipose and total body weight, but not in lean body mass, associated with subcutaneous administration of **sonic hedgehog**-Ig fusion protein to mice.

AU Martin, Pauline L. (1); Lane, Joan; Pouliot, Louise; Gains, Malcolm; Stejskal, Rudolph; Smith, Susan Yvonne; Galdes, Alphonse; Green, James

CS (1) Drug Safety Evaluation, Sanofi-Synthelab Research, 9 Great Valley Pkwy., Malvern, PA, 19355, USA: pauline.martin@sanofi-synthelab.com USA

SO Drug Development Research, (November 2002, 2002) Vol. 57, No. 3, pp. 107-114. print.
ISSN: 0272-4391.

DT Article

LA English

L3 ANSWER 78 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 2003:88228 BIOSIS

DN PREV200300088228

TI **Sonic hedgehog**-dependent activation of Gli2 is essential for embryonic hair follicle development.

AU Mill, Pleasantine; Mo, Rong; Fu, Hong; Grachtchouk, Marina; Kim, Peter C.

W.; Dlugosz, Andrzej A.; Hui, Chi-Chung (1)
 CS (1) Program in Developmental Biology, The Hospital for Sick Children, and
 Department of Molecular and Medical Genetics, University of Toronto,
 Toronto, ON, M5G 1X8, Canada: cchui@sickkids.ca Canada
 SO Genes & Development, (January 15 2003) Vol. 17, No. 2, pp. 282-294. print.
 ISSN: 0890-9369.
 DT Article
 LA English

L3 ANSWER 79 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 2003:32966 BIOSIS
 DN PREV200300032966
 TI Hedgehog signaling and human disease.
 AU Bale, Allen E. (1)
 CS (1) Department of Genetics, Yale University School of Medicine, New Haven,
 CT, 06520-8005, USA: allen.bale@yale.edu USA
 SO Lander, Eric [Editor]; Page, David [Editor]; Lifton, Richard [Editor].
 Annual Review of Genomics and Human Genetics, (2002) Vol. 3, pp. 47-65.
 Annual Review of Genomics and Human Genetics. print.
 Publisher: Annual Reviews 4139 El Camino Way, Palo Alto, CA, 94303-0139,
 USA.
 ISSN: 1527-8204.
 DT Book
 LA English

L3 ANSWER 80 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 2002:599811 BIOSIS
 DN PREV200200599811
 TI Photocarcinogenesis: UVA vs. UVB radiation.
 AU de Gruijl, Frank R. (1)
 CS (1) Department of Dermatology, Leiden University Medical Center/LUMC,
 Wassenaarseweg 72, Sylvius Lab. room 3038, NL-2333 AL, Leiden:
 F.R.de_Gruijl@lumc.nl Netherlands
 SO Skin Pharmacology and Applied Skin Physiology, (September October, 2002)
 Vol. 15, No. 5, pp. 316-320. http://www.karger.com/journals/sph/sph_jh.htm
 . print.
 ISSN: 1422-2868.
 DT Article
 LA English

L3 ANSWER 81 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 2002:576830 BIOSIS
 DN PREV200200576830
 TI Comparative gene expression profile analysis of GLI and c-MYC in an
 epithelial model of malignant transformation.
 AU Louro, Iuri D.; Bailey, Evans C.; Li, Xingnan; South, Lindsey S.;
 McKie-Bell, Peggy R.; Yoder, Bradley K.; Huang, Conway C.; Johnson, Martin
 R.; Hill, Aubrey E.; Johnson, Ronald L.; Ruppert, J. Michael (1)
 CS (1) Department of Medicine, School of Medicine, University of Alabama at
 Birmingham, Room 570 WTI, Birmingham, AL, 35294-3300: mruppert@uab.edu USA
 SO Cancer Research, (October 15, 2002) Vol. 62, No. 20, pp. 5867-5873.
<http://cancerres.aacrjournals.org/>. print.
 ISSN: 0008-5472.
 DT Article
 LA English

L3 ANSWER 82 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 2002:538624 BIOSIS
 DN PREV200200538624
 TI Mucosal addressin cell adhesion molecule 1 plays an unexpected role in the
 development of mouse guard hair.
 AU Nishioka, Eri (1); Tanaka, Toshiyuki; Yoshida, Hisahiro; Matsumura,
 Kazuyoshi; Nishikawa, Satomi; Naito, Asuka; Inoue, Jun-ichiro; Funasaka,
 Yoko; Ichihashi, Masamitsu; Miyasaka, Masayuki; Nishikawa, Shin-Ichi

CS (1) Center for Developmental Biology, RIKEN, Kobe:
enishiok@cdb.riken.go.jp Japan

SO Journal of Investigative Dermatology, (September, 2002) Vol. 119, No. 3,
pp. 632-638. <http://www.jidonline.org>. print.
ISSN: 0022-202X.

DT Article

LA English

L3 ANSWER 83 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 2002:517824 BIOSIS

DN PREV200200517824

TI Dissecting the oncogenic potential of Gli2: Deletion of an NH2-terminal
fragment alters **skin** tumor phenotype.

AU Sheng, Hong; Goich, Sara; Wang, Aiqin; Grachtchouk, Marina; Lowe, Lori;
Mo, Rong; Lin, Kui; de Sauvage, Frederic J.; Sasaki, Hiroshi; Hui,
Chi-Chung; Dlugosz, Andrzej A. (1)

CS (1) Department of Dermatology, 1500 E. Medical Center Drive, 3310 CCGC Box
0932, Ann Arbor, MI, 48109-0932: dlugosza@umich.edu USA

SO Cancer Research, (September 15, 2002) Vol. 62, No. 18, pp. 5308-5316.
<http://cancerres.aacrjournals.org/>. print.
ISSN: 0008-5472.

DT Article

LA English

L3 ANSWER 84 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 2002:507518 BIOSIS

DN PREV200200507518

TI Differential requirements for Shh in mammary tissue and hair follicle
morphogenesis.

AU Gallego, Marta I.; Beachy, Philip A.; Hennighausen, Lothar; Robinson,
Gertraud W. (1)

CS (1) Laboratory of Genetics and Physiology, National Institute of Diabetes,
and Digestive and Kidney Diseases, National Institutes of Health,
Bethesda, MD, 20892: traudl@nih.gov USA

SO Developmental Biology, (September 1, 2002) Vol. 249, No. 1, pp. 131-139.
<http://www.academicpress.com/db>. print.
ISSN: 0012-1606.

DT Article

LA English

L3 ANSWER 85 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 2002:494889 BIOSIS

DN PREV200200494889

TI Laminin 10 is essential for hair development.

AU Tzu, J. E. (1); Li, J.; Lehman, T. D. (1); Chen, Y. (1); Nguyen, N. T.
(1); Keene, D. R.; Miner, J. H.; Oro, A. E. (1); Marinkovich, M. (1)

CS (1) Epithelial Biology, Stanford University, Stanford, CA USA

SO Journal of Investigative Dermatology, (July, 2002) Vol. 119, No. 1, pp.
291. <http://www.jidonline.org>. print.
Meeting Info.: 63rd Annual Meeting of the Society for Investigative
Dermatology Los Angeles, California, USA May 15-18, 2002
ISSN: 0022-202X.

DT Conference

LA English

L3 ANSWER 86 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 2002:494473 BIOSIS

DN PREV200200494473

TI Novel approach to cancer chemoprevention: Inhibition of **sonic
hedgehog** (shh) signaling by cyclopamine (CPN) abrogates
ultraviolet B-induced basal cell carcinomas (BCCs) in ptch+/-heterozygous
mice.

AU Tang, X. (1); Athar, M. (1); Kim, A. L. (1); Kopelovich, L.; Epstein, E.
H.; Bickers, D. R. (1)

CS (1) Dermatology, College of Physicians and Surgeons, Columbia University,
New York, NY USA

SO Journal of Investigative Dermatology, (July, 2002) Vol. 119, No. 1, pp.
221. <http://www.jidonline.org>. print.
Meeting Info.: 63rd Annual Meeting of the Society for Investigative
Dermatology Los Angeles, California, USA May 15-18, 2002
ISSN: 0022-202X.

DT Conference

LA English

L3 ANSWER 87 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 2002:494440 BIOSIS

DN PREV200200494440

TI Innovative model for accelerated induction of cutaneous basal cell
carcinomas: ptch+/- heterozygous knockout mice over-expressing ornithine
decarboxylase.

AU Athar, M. (1); Russo, J. (1); Kim, A. L. (1); Zhang, H. (1); Tang, X. (1);
Aszterbaum, M.; Kopelovich, L.; Epstein, E. H.; Bickers, D. R. (1)

CS (1) Dermatology, College of Physicians and Surgeons, Columbia University,
New York, NY USA

SO Journal of Investigative Dermatology, (July, 2002) Vol. 119, No. 1, pp.
216. <http://www.jidonline.org>. print.
Meeting Info.: 63rd Annual Meeting of the Society for Investigative
Dermatology Los Angeles, California, USA May 15-18, 2002
ISSN: 0022-202X.

DT Conference

LA English .

L3 ANSWER 88 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 2002:478714 BIOSIS

DN PREV200200478714

TI Shh-Bmp2 signaling module and the evolutionary origin and diversification
of feathers.

AU Harris, Matthew P. (1); Fallon, John F.; Prum, Richard O.

CS (1) 1300 University Avenue, 351 Bardeen Hall, Madison, WI, 53706:
mpharri2@students.wisc.edu USA

SO Journal of Experimental Zoology, (August 15, 2002) Vol. 294, No. 2, pp.
160-176. <http://www.interscience.wiley.com/jpages/0022-104X/>. print.
ISSN: 0022-104X.

DT Article

LA English

L3 ANSWER 89 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 2002:471659 BIOSIS

DN PREV200200471659

TI FOXM1 is a downstream target of Glil in basal cell carcinomas.

AU Teh, Muy-Teck (1); Wong, Soon-Tee; Neill, Graham W.; Ghali, Lucy R.;
Philpott, Michael P.; Quinn, Anthony G.

CS (1) Centre for Cutaneous Research, Barts and London School of Medicine and
Dentistry, Queen Mary, University of London, 2 Newark Street, Whitechapel,
London, E1 2AT: m.t.teh@qmul.ac.uk UK

SO Cancer Research, (August 15, 2002) Vol. 62, No. 16, pp. 4773-4780.
<http://cancerres.aacrjournals.org/>. print.
ISSN: 0008-5472.

DT Article

LA English

L3 ANSWER 90 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 2002:419191 BIOSIS

DN PREV200200419191

TI Blockade of hedgehog signaling inhibits ultraviolet B (UVB)-induced basal
cell carcinomas (BCCs) in ptch+/- knockout heterozygous mice.

AU Kim, Arianna L. (1); Athar, Mohammad; Tang, Xiuwei; Aszterbaum, Michelle;
Kopelovich, Levy; Epstein, Ervin H., Jr.; Bickers, David R.

CS (1) Columbia University, New York, NY USA
SO Proceedings of the American Association for Cancer Research Annual Meeting, (March, 2002) Vol. 43, pp. 1008. print.
Meeting Info.: 93rd Annual Meeting of the American Association for Cancer Research San Francisco, California, USA April 06-10, 2002
ISSN: 0197-016X.
DT Conference
LA English

L3 ANSWER 91 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2002:346860 BIOSIS
DN PREV200200346860
TI Carcinogenesis of basal cell carcinomas: Genetics and molecular mechanisms.
AU Lacour, J. P. (1)
CS (1) Department of Dermatology, Hopital Archet-2, 06202, Nice cedex, 3: lacour@unice.fr France
SO British Journal of Dermatology, (April, 2002) Vol. 146, No. Supplement 61, pp. 17-19. <http://www.blackwell-science.com/cgilib/jnlpage.asp?Journal=bjd&File=bjd>. print.
ISSN: 0007-0963.
DT Article
LA English

L3 ANSWER 92 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2002:319177 BIOSIS
DN PREV200200319177
TI Expression of DELTANLef1 in mouse epidermis results in differentiation of hair follicles into squamous epidermal cysts and formation of **skin** tumours.
AU Niemann, Catherin; Owens, David M.; Hulsken, Jorg; Birchmeier, Walter; Watt, Fiona M. (1)
CS (1) Imperial Cancer Research Fund, 44 Lincoln's Inn Fields, London, WC2A 3PX: watt@icrf.icnet.uk UK
SO Development (Cambridge), (January, 2002) Vol. 129, No. 1, pp. 95-109. <http://dev.biologists.org/current.shtml>. print.
ISSN: 0950-1991.
DT Article
LA English

L3 ANSWER 93 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2002:259069 BIOSIS
DN PREV200200259069
TI Suppression of hair follicle development inhibits induction of **Sonic hedgehog**, Patched, and Patched-2 in hair germs in mice.
AU Yamago, Gabriela; Takata, Yoshimi; Furuta, Isao; Urase, Koko; Momoi, Takashi; Huh, Nam-ho (1)
CS (1) Department of Cell Biology, Graduate School of Medicine and Dentistry, Okayama University, 2-5-1 Shikatachou, Okayama, 700-8558: namu@md.okayama-u.ac.jp Japan
SO Archives of Dermatological Research, (September, 2001) Vol. 293, No. 9, pp. 435-441. print.
ISSN: 0340-3696.
DT Article
LA English

L3 ANSWER 94 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2002:196679 BIOSIS
DN PREV200200196679
TI Expression of a **sonic hedgehog** signal transducer, hedgehog-interacting protein, by human basal cell carcinoma.
AU Tojo, M. (1); Kiyosawa, H.; Iwatsuki, K.; Kaneko, F.
CS (1) Departments of Dermatology, Fukushima Medical University School of

Medicine, 1 Hikarigaoka, Fukushima, 960-1295: tojo@fmu.ac.jp Japan
SO British Journal of Dermatology, (January, 2002) Vol. 146, No. 1, pp.
69-73. <http://www.blackwell-science.com/cgilib/jnlpage.asp?Journal=bjd&File=bjd.print>.
ISSN: 0007-0963.
DT Article
LA English

L3 ANSWER 95 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2002:68635 BIOSIS
DN PREV200200068635
TI Effect of adenovirus-mediated expression of **Sonic hedgehog** gene on hair regrowth in mice with chemotherapy-induced alopecia.
AU Sato, Noboru; Leopold, Philip L.; Crystal, Ronald G. (1)
CS (1) Institute of Genetic Medicine, Weill Medical College of Cornell University, 520 East 70th St., Starr 505, New York, NY, 10021: geneticmedicine@med.cornell.edu USA
SO Journal of the National Cancer Institute (Bethesda), (December 19, 2001) Vol. 93, No. 24, pp. 1858-1864. <http://jnci.oupjournals.org/>. print.
ISSN: 0027-8874.
DT Article
LA English

L3 ANSWER 96 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2002:9283 BIOSIS
DN PREV200200009283
TI Immunohistochemical detection for nuclear beta-catenin in sporadic basal cell carcinoma.
AU Yamazaki, F.; Aragane, Y. (1); Kawada, A.; Tezuka, T.
CS (1) Department of Dermatology, Kinki University School of Medicine, 377-2 Ohnohigashi, Osakasayama-shi, 589-8511, Osaka: nori@med.kindai.ac.jp Japan
SO British Journal of Dermatology, (November, 2001) Vol. 145, No. 5, pp. 771-777. print.
ISSN: 0007-0963.
DT Article
LA English

L3 ANSWER 97 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2001:540295 BIOSIS
DN PREV200100540295
TI A spontaneous mouse mutation, mesenchymal dysplasia (mes), is caused by a deletion of the most C-terminal cytoplasmic domain of patched (ptc).
AU Makino, Shigeru; Masuya, Hiroshi; Ishijima, Junko; Yada, Yukari; Shiroishi, Toshihiko (1)
CS (1) Mammalian Genetics Laboratory, National Institute of Genetics, Mishima, Shizuoka-ken, 411-8540: tshirois@lab.nig.ac.jp Japan
SO Developmental Biology, (November 1, 2001) Vol. 239, No. 1, pp. 95-106. print.
ISSN: 0012-1606.
DT Article
LA English
SL English

L3 ANSWER 98 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2001:528530 BIOSIS
DN PREV200100528530
TI Monstrous attempts at adnexogenesis: Regulating hair follicle progenitors through **Sonic hedgehog** signaling.
AU Callahan, Christopher A.; Oro, Anthony E. (1)
CS (1) Program in Epithelial Biology, Stanford University, 269 Campus Drive, CCSR Building, Room 2145, Stanford, CA, 94305-5168: oro@cmgm.stanford.edu USA
SO Current Opinion in Genetics & Development, (October, 2001) Vol. 11, No. 5,

pp. 541-546. print.
ISSN: 0959-437X.

DT Article
LA English
SL English

L3 ANSWER 99 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2001:483689 BIOSIS
DN PREV200100483689
TI cDNA microarray analysis of gene expression in non-melanoma skin cancer.
AU Montiel, N. (1); King, H. (1); Becker, D. (1); Sinha, A. (1)
CS (1) Dermatology, Weill Medical College of Cornell University, New York, NY USA
SO Journal of Investigative Dermatology, (August, 2001) Vol. 117, No. 2, pp. 527. print.
Meeting Info.: 62nd Annual Meeting of the Society for Investigative Dermatology Washington, DC, USA May 09-12, 2001
ISSN: 0022-202X.

DT Conference
LA English
SL English

L3 ANSWER 100 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2001:483567 BIOSIS
DN PREV200100483567
TI Expression of a **sonic hedgehog** signal transducer, HIP (Hedgehog-interacting protein), by human basal cell carcinoma.
AU Tojo, M. (1); Iwatsuki, K. (1); Kaneko, F. (1)
CS (1) Dermatology, Fukushima Medical University School of Medicine, Fukushima Japan
SO Journal of Investigative Dermatology, (August, 2001) Vol. 117, No. 2, pp. 486. print.
Meeting Info.: 62nd Annual Meeting of the Society for Investigative Dermatology Washington, DC, USA May 09-12, 2001
ISSN: 0022-202X.

DT Conference
LA English
SL English

L3 ANSWER 101 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2001:474559 BIOSIS
DN PREV200100474559
TI Deregulated activation of the hedgehog signaling pathway gives rise to basaloid follicular hamartomas in adult mice.
AU Grachtchouk, M. (1); Grachtchouk, V. (1); Frantz, G.; DeSavage, F.; Dlugosz, A. (1)
CS (1) Dermatology, University of Michigan, Ann Arbor, MI USA
SO Journal of Investigative Dermatology, (August, 2001) Vol. 117, No. 2, pp. 485. print.
Meeting Info.: 62nd Annual Meeting of the Society for Investigative Dermatology Washington, DC, USA May 09-12, 2001
ISSN: 0022-202X.

DT Conference
LA English
SL English

L3 ANSWER 102 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2001:474491 BIOSIS
DN PREV200100474491
TI Induction of multiple types of **skin** tumors in mice overexpressing an activated Gli2 mutant.
AU Sheng, H. (1); Goich, S. (1); Wang, A. (1); Lowe, L. (1); Sasaki, H.; Dlugosz, A. (1)

CS (1) Dermatology, University of Michigan, Ann Arbor, MI USA
SO Journal of Investigative Dermatology, (August, 2001) Vol. 117, No. 2, pp. 471. print.
Meeting Info.: 62nd Annual Meeting of the Society for Investigative Dermatology Washington, DC, USA May 09-12, 2001
ISSN: 0022-202X.
DT Conference
LA English
SL English

L3 ANSWER 103 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2001:438212 BIOSIS
DN PREV200100438212
TI Expression of the **Sonic Hedgehog** receptor 'PATCHED' in basal cell carcinomas and odontogenic keratocysts.
AU Zedan, W.; Robinson, P. A.; Markham, A. F.; High, A. S. (1)
CS (1) Diagnostic Services, Leeds Dental Institute, University of Leeds, Leeds, LS2 9LU: a.s.high@leeds.ac.uk UK
SO Journal of Pathology, (August, 2001) Vol. 194, No. 4, pp. 473-477. print.
ISSN: 0022-3417.
DT Article
LA English
SL English

L3 ANSWER 104 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2001:429865 BIOSIS
DN PREV200100429865
TI The role of Patched2 in **skin** development.
AU Nieuwenhuis, Erica (1); Motoyama, Jun; Yoshikawa, Yoshiaki (1); Hui, Chi-chung (1)
CS (1) Developmental Biology, Hospital for Sick Children, Toronto, ON Canada
SO Development Growth & Differentiation, (July, 2001) Vol. 43, No. Supplement, pp. S141. print.
Meeting Info.: 14th International Congress of Developmental biology Kyoto, Japan July 08-12, 2001
ISSN: 0012-1592.
DT Conference
LA English
SL English

L3 ANSWER 105 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2001:226143 BIOSIS
DN PREV200100226143
TI Post-transcriptional regulation of the GLI1 oncogene by the expression of alternative 5' untranslated regions.
AU Wang, Xue-Qing; Rothnagel, Joseph A. (1)
CS (1) Department of Biochemistry, Institute for Molecular Bioscience, University of Queensland, Brisbane, QLD, 4072: josephr@biosci.uq.edu.au Australia
SO Journal of Biological Chemistry, (January 12, 2001) Vol. 276, No. 2, pp. 1311-1316. print.
ISSN: 0021-9258.
DT Article
LA English
SL English

L3 ANSWER 106 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2001:70207 BIOSIS
DN PREV200100070207
TI **Sonic hedgehog** signaling pathway in vertebrate epithelial appendage morphogenesis: Perspectives in development and evolution.
AU Chuong, C.-M. (1); Patel, N.; Lin, J.; Jung, H.-S.; Widelitz, R. B.
CS (1) Department of Pathology, School of Medicine, University of Southern

California, 2011 Zonal Ave, HMR 315B, Los Angeles, CA, 90033:
chuong@pathfinder.hsc.usc.edu USA

SO CMLS Cellular and Molecular Life Sciences, (November, 2000) Vol. 57, No. 12, pp. 1672-1681. print.
ISSN: 1420-682X.

DT General Review
LA English
SL English

L3 ANSWER 107 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2001:41045 BIOSIS
DN PREV200100041045
TI Abnormalities of laterality development in X-linked disorders of cholesterol biosynthesis.
AU Grange, D. K. (1); Herman, G. E.; Kopacz, K. J.; Kratz, L. E.; Kelley, R. I.
CS (1) St. Louis Univ., Saint Louis, MO USA
SO Journal of Inherited Metabolic Disease, (July, 2000) Vol. 23, No. Supplement 1, pp. 200. print.
Meeting Info.: VIIIth International Conference on Inborn Errors of Metabolism England, Cambridge, UK September 13-17, 2000
ISSN: 0141-8955.

DT Conference
LA English
SL English

L3 ANSWER 108 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2000:441008 BIOSIS
DN PREV200000441008
TI Conservation of early odontogenic signaling pathways in Aves.
AU Chen, YiPing; Zhang, Yanding; Jiang, Ting-Xing; Barlow, Amanda J.; St. Amand, Tara R.; Hu, Yueping; Heaney, Shaun; Francis-West, Philippa; Chuong, Cheng-Ming; Maas, Richard (1)
CS (1) Division of Genetics, Department of Medicine, Brigham and Women's Hospital and Harvard Medical School, Boston, MA, 02115 USA
SO Proceedings of the National Academy of Sciences of the United States of America, (August 29, 2000) Vol. 97, No. 18, pp. 10044-10049. print.
ISSN: 0027-8424.

DT Article
LA English
SL English

L3 ANSWER 109 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2000:417886 BIOSIS
DN PREV200000417886
TI Expression of a **sonic hedgehog** signal transducer, hip (hedgehog-interacting protein), by human basal cell carcinoma.
AU Tojo, M. (1); Oyama, N. (1); Akiba, H. (1); Iwatsuki, K. (1); Kaneko, F. (1)
CS (1) Department of Dermatology, Fukushima Medical University School of Medicine, Fukushima Japan
SO Journal of Dermatological Science, (August, 2000) Vol. 23, No. 3, pp. 200. print.
Meeting Info.: 25th Annual Meeting of the Japanese Society for Investigative Dermatology Gifu, Japan September 01-02, 2000
ISSN: 0923-1811.

DT Conference
LA English
SL English

L3 ANSWER 110 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2000:336418 BIOSIS
DN PREV200000336418
TI Induction of the hair growth phase in postnatal mice by localized

transient expression of **Sonic hedgehog**.

AU Sato, Noboru; Leopold, Philip L.; Crystal, Ronald G. (1)
CS (1) Weill Medical College of Cornell University-New York Presbyterian
Hospital, 520 East 70th Street, ST 505, New York, NY, 10021 USA
SO Journal of Clinical Investigation, (October, 1999) Vol. 104, No. 7, pp.
855-864. print.
ISSN: 0021-9738.

DT Article

LA English

SL English

L3 ANSWER 111 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 2000:323174 BIOSIS

DN PREV200000323174

TI UV-specific mutations of the human patched gene in basal cell carcinomas
from normal individuals and xeroderma pigmentosum patients.

AU Daya-Grosjean, Leela; Sarasin, Alain (1)

CS (1) Laboratory of Molecular Genetics, UPR 42, Institut de Recherche sur le
Cancer, CNRS, Villejuif Cedex, 94801 France

SO Mutation Research, (30 May, 2000) Vol. 450, No. 1-2, pp. 193-199. print.
ISSN: 0027-5107.

DT General Review

LA English

SL English

L3 ANSWER 112 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 2000:305463 BIOSIS

DN PREV200000305463

TI Wnt signaling maintains the hair-inducing activity of the dermal papilla.

AU Kishimoto, Jiro; Burgeson, Robert E.; Morgan, Bruce A. (1)

CS (1) Cutaneous Biology Research Center, Massachusetts General Hospital and
Harvard Medical School, Charlestown, MA, 02129 USA

SO Genes & Development, (May 15, 2000) Vol. 14, No. 10, pp. 1181-1185. print.
ISSN: 0890-9369.

DT Article

LA English

SL English

L3 ANSWER 113 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 2000:255224 BIOSIS

DN PREV200000255224

TI Conditional disruption of hedgehog signaling pathway defines its critical
role in hair development and regeneration.

AU Wang, Li Chun (1); Liu, Zhong-Ying; Gambardella, Laure; Delacour,
Alexandra; Shapiro, Renee; Yang, Jianliang; Sizing, Irene; Rayhorn, Paul;
Garber, Ellen A.; Benjamin, Chris D.; Williams, Kevin P.; Taylor,
Frederick R.; Barrandon, Yann; Ling, Leona; Burkly, Linda C.

CS (1) Biogen Inc, 14 Cambridge Center, Cambridge, MA, 02142 USA

SO Journal of Investigative Dermatology, (May, 2000) Vol. 114, No. 5, pp.
901-908. print..

ISSN: 0022-202X.

DT Article

LA English

SL English

L3 ANSWER 114 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

AN 2000:228450 BIOSIS

DN PREV200000228450

TI A microarray screen for BCC-enriched genes reveals BEG4, a gene that
encodes a novel Shh-inducible, proline-rich protein.

AU Horng, L. (1); Zhen, H. H. (1); Patil, N.; Oro, A. E. (1)

CS (1) School of Medicine, Stanford University, Stanford, CA USA

SO Journal of Investigative Dermatology, (April, 2000) Vol. 114, No. 4, pp.
763.

Meeting Info.: 61st Annual Meeting of the Society for Investigative Dermatology. Chicago, Illinois, USA May 10-14, 2000
ISSN: 0022-202X.

DT Conference
LA English
SL English

L3 ANSWER 115 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2000:228448 BIOSIS
DN PREV200000228448
TI CUSP expression supports interaction between **Sonic hedgehog** and p53 pathways in basal cell carcinogenesis.
AU Dellavalle, R. (1); Walsh, P.; Marchbank, A.; DeGregori, J.; Su, L.-J.; Aszterbaum, M.; Epstein, E., Jr.; Lee, L.
CS (1) Department of Dermatology, University of Colorado School of Medicine, Denver Health and VA, Denver, CO USA
SO Journal of Investigative Dermatology, (April, 2000) Vol. 114, No. 4, pp. 763.

Meeting Info.: 61st Annual Meeting of the Society for Investigative Dermatology. Chicago, Illinois, USA May 10-14, 2000
ISSN: 0022-202X.

DT Conference
LA English
SL English

L3 ANSWER 116 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2000:216400 BIOSIS
DN PREV200000216400
TI The normal patched allele is expressed in medulloblastomas from mice with heterozygous germ-line mutation of patched.
AU Wetmore, Cynthia; Eberhart, Derek E.; Curran, Tom (1)
CS (1) Department of Developmental Neurobiology, St. Jude Children's Research Hospital, 332 North Lauderdale, Memphis, TN, 38105 USA
SO Cancer Research, (April, 2000) Vol. 60, No. 8, pp. 2239-2246.
ISSN: 0008-5472.

DT Article
LA English
SL English

L3 ANSWER 117 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2000:200843 BIOSIS
DN PREV200000200843
TI Induction of basal cell carcinomas and trichoepitheliomas in mice overexpressing GLI-1.
AU Nilsson, Mats; Unden, Anne Birgitte; Krause, Darren; Malmqwist, Ulrica; Raza, Karima; Zaphiropoulos, Peter G.; Toftgard, Rune (1)
CS (1) Department of Biosciences at Novum, Karolinska Institutet, SE-141 57, Huddinge Sweden
SO Proceedings of the National Academy of Sciences of the United States of America, (March 28, 2000) Vol. 97, No. 7, pp. 3438-3443.
ISSN: 0027-8424.

DT Article
LA English
SL English

L3 ANSWER 118 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 2000:38286 BIOSIS
DN PREV200000038286
TI Expression of **sonic hedgehog** signal transducers, patched and smoothened, in human basal cell carcinoma.
AU Tojo, Michiko (1); Mori, Tetsuji; Kiyosawa, Hidenori; Honma, Yutaka; Tanno, Yoshihiro; Kanazawa, Ken-ya; Yokoya, Sachihiko; Kaneko, Fumio; Wanaka, Akio
CS (1) Department of Cell Science, Institute of Biomedical Sciences,

Fukushima Medical University School of Medicine, 1 Hikarigaoka, Fukushima City, Fukushima, 960-1295 Japan

SO Pathology International, (Aug., 1999) Vol. 49, No. 8, pp. 687-694.
ISSN: 1320-5463.

DT Article
LA English
SL English

L3 ANSWER 119 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1999:509483 BIOSIS
DN PREV199900509483
TI Ectopic expression of **Sonic Hedgehog** from the human Keratin 1 promoter gives rise to limb abnormalities and **skin** lesions in transgenic mice.

AU Smyth, I. (1); Bowles, J. (1); Rothnagel, J.; Wicking, C. (1); Wainwright, B. (1)
CS (1) CMCB, University of Queensland, Brisbane Australia
SO American Journal of Human Genetics, (Oct., 1999) Vol. 65, No. 4, pp. A371.
Meeting Info.: 49th Annual Meeting of the American Society of Human Genetics San Francisco, California, USA October 19-23, 1999 The American Society of Human Genetics
. ISSN: 0002-9297.

DT Conference
LA English

L3 ANSWER 120 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1999:378833 BIOSIS
DN PREV199900378833
TI Roles for PDGF-A and **sonic hedgehog** in development of mesenchymal components of the hair follicle.

AU Karlsson, Linda; Bondjers, Cecilia; Betsholtz, Christer (1)
CS (1) Department of Medical Biochemistry, Goteborg University, Medicinaregatan 9A, SE 405 30, Goteborg Sweden
SO Development (Cambridge), (June, 1999) Vol. 126, No. 12, pp. 2611-2621.
ISSN: 0950-1991.

DT Article
LA English
SL English

L3 ANSWER 121 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1999:378830 BIOSIS
DN PREV199900378830
TI Wnt-7a in feather morphogenesis: Involvement of anterior-posterior asymmetry and proximal-distal elongation demonstrated with an in vitro reconstitution model.

AU Widelitz, Randall B.; Jiang, Ting-Xin; Chen, Chia-Wei Janet; Stott, N. Susan; Chuong, Cheng-Ming (1)
CS (1) Department of Pathology, School of Medicine, University of Southern California, Los Angeles, CA, 90033 USA
SO Development (Cambridge), (June, 1999) Vol. 126, No. 12, pp. 2577-2587.
ISSN: 0950-1991.

DT Article
LA English
SL English

L3 ANSWER 122 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1999:355010 BIOSIS
DN PREV199900355010
TI Regulation of gene expression by **Sonic hedgehog**.

AU Jackson, J. A. (1); Chai, L. (1); Sanchez, R. (1); Guicherit, O. M. (1); Barker, D. (1); Bumcrot, D. A. (1)
CS (1) Ontogeny, Inc., 45 Moulton Street, Cambridge, MA, 02138 USA
SO Developmental Biology, (June 1, 1999) Vol. 210, No. 1, pp. 218.
Meeting Info.: 58th Annual Meeting of the Society for Developmental

Biology Charlottesville, Virginia, USA June 13-18, 1999 Society for
Developmental Biology
. ISSN: 0012-1606.

DT Conference
LA English

L3 ANSWER 123 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1999:303978 BIOSIS
DN PREV199900303978
TI The patched/hedgehog/smoothened signalling pathway in human breast cancer:
No evidence for H133Y SHH, PTCH and SMO mutations.
AU Vorechovsky, I. (1); Benediktsson, K. P.; Toftgard, R.
CS (1) Department of Biosciences at Novum, Karolinska Institute, S-14157,
Huddinge Sweden
SO European Journal of Cancer, (May, 1999) Vol. 35, No. 5, pp. 711-713.
ISSN: 0959-8049.
DT Article
LA English
SL English

L3 ANSWER 124 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1999:185085 BIOSIS
DN PREV199900185085
TI Position-specific and time-dependent gene expression of **sonic
hedgehog** (Shh) and patched (Ptc) during murine wound healing and
tumor growth.
AU Foppe, D. M. (1); Robertson, F. M.; Cannon, R. E.; Spalding, J. W.; Ross,
M. S.; Tober, K. L.; Parrett, M. L.; Miracle, J. A.; Oberyszyn, T. M.
CS (1) O. S. U. Comprehensive Cancer Cent., Columbus, OH 43210 USA
SO Proceedings of the American Association for Cancer Research Annual
Meeting, (March, 1999) Vol. 40, pp. 559.
Meeting Info.: 90th Annual Meeting of the American Association for Cancer
Research Philadelphia, Pennsylvania, USA April 10-14, 1999 American
Association for Cancer Research
. ISSN: 0197-016X.
DT Conference
LA English

L3 ANSWER 125 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1999:88141 BIOSIS
DN PREV199900088141
TI Essential role for **Sonic hedgehog** during hair follicle
morphogenesis.
AU Chiang, Chin; Swan, Ryan Z.; Grachtchouk, Marina; Bolinger, Matthew;
Litington, Ying; Robertson, Erin K.; Cooper, Michael K.; Gaffield,
William; Westphal, Heiner; Beachy, Philip A.; Dlugosz, Andrzej A. (1)
CS (1) 3310 CCGC/Box 0932, 1500 E. Medical Center Dr., Ann Arbor, MI
48109-0932 USA
SO Developmental Biology, (Jan. 1, 1999) Vol. 205, No. 1, pp. 1-9.
ISSN: 0012-1606.
DT Article
LA English

L3 ANSWER 126 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1999:1557 BIOSIS
DN PREV199900001557
TI De novo hair follicle morphogenesis and hair tumors in mice expressing a
truncated beta-catenin in **skin**.
AU Gat, Uri; Dasgupta, Ramanuj; Degenstein, Linda; Fuchs, Elaine (1)
CS (1) Howard Hughes Med. Inst., Univ. Chicago, Chicago, IL 60637 USA
SO Cell, (Nov. 25, 1998) Vol. 95, No. 5, pp. 605-614.
ISSN: 0092-8674.
DT Article
LA English

L3 ANSWER 127 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 1999:1373 BIOSIS
 DN PREV199900001373
 TI Characterization of two patched receptors for the vertebrate hedgehog protein family.
 AU Carpenter, David; Stone, Donna M.; Brush, Jennifer; Ryan, Anne; Armanini, Mark; Frantz, Gretchen; Rosenthal, Arnon; De Sauvage, Frederic J. (1)
 CS (1) Dep. Mol. Oncol., Genentech Inc., 1 DNA Way, South San Francisco, CA 94080 USA
 SO Proceedings of the National Academy of Sciences of the United States of America, (Nov. 10, 1998) Vol. 95, No. 23, pp. 13630-13634.
 ISSN: 0027-8424.
 DT Article
 LA English

L3 ANSWER 128 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 1998:495667 BIOSIS
 DN PREV199800495667
 TI **Sonic hedgehog** signaling is essential for hair development.
 AU St-Jacques, B.; Dassule, H. R.; Karavanova, I.; Botchkarev, V. A.; Li, J.; Danielian, P. S.; McMahon, J. A.; Lewis, P. M.; Paus, R.; McMahon, A. P. (1)
 CS (1) Mol. Cell. Biol., Harvard Univ., 16 Divinity Ave., Cambridge, MA 02138 USA
 SO Current Biology, (Sept. 24, 1998) Vol. 8, No. 19, pp. 1058-1068.
 ISSN: 0960-9822.
 DT Article
 LA English

L3 ANSWER 129 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 1998:448059 BIOSIS
 DN PREV199800448059
 TI Stage-specific effects of **sonic hedgehog** expression in the epidermis.
 AU Morgan, Bruce A. (1); Orkin, Roslyn W.; Noramly, Selina; Perez, Alejandro
 CS (1) Cutaneous Biol. Res. Cent., Mass. General Hosp., Harvard Med. Sch., Charlestown, MA 02129 USA
 SO Developmental Biology, (Sept. 1, 1998) Vol. 201, No. 1, pp. 1-12.
 ISSN: 0012-1606.
 DT Article
 LA English

L3 ANSWER 130 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 1998:273547 BIOSIS
 DN PREV199800273547
 TI Missense mutations in SMOH in sporadic basal cell carcinomas of the **skin** and primitive neuroectodermal tumors of the central nervous system.
 AU Reifenberger, Julia; Wolter, Marietta; Weber, Ruthild G.; Megahed, Mosaad; Ruzicka, Thomas; Lichter, Peter; Reifenberger, Guido (1)
 CS (1) Dep. Neuropathol., Heinrich-Heine-Univ., Moorenstrasse 5, D-40225 Dueseldorf Germany
 SO Cancer Research, (May 1, 1998) Vol. 58, No. 9, pp. 1798-1803.
 ISSN: 0008-5472.
 DT Article
 LA English

L3 ANSWER 131 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 1998:121175 BIOSIS
 DN PREV199800121175
 TI Correction of PREVIEWS 99816116. Activation of the transcription factor Gli1 and the **sonic hedgehog** signalling pathway in

skin tumours. Replacement of abstract. Erratum published in Nature (London) Vol. 390. Iss. 6659. 1997. p. 536.

AU Dahmane, N.; Lee, J.; Robins, P.; Heller, P.; Ruiz I Altaba, A. (1)
 CS (1) Skirball Inst., Dev. Genet. Program, 540 First Ave., New York, NY 10016 USA
 SO Nature (London), (Dec. 4, 1997) Vol. 390, No. 6659, pp. 876-881. ISSN: 0028-0836.
 DT Article; Article; Errata
 LA English

L3 ANSWER 132 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 1998:80319 BIOSIS
 DN PREV199800080319
 TI Activating smoothened mutations in sporadic basal-cell carcinoma.
 AU Xie, Jingwu; Murone, Maximillen; Luoh, Shiuh-Ming; Ryan, Anne; Gu, Qimin; Zhang, Chaohui; Bonifas, Jeannette M.; Lam, Ching-Wan; Hynes, Mary; Goddard, Audrey; Rosenthal, Arnon; De Sauvage, Ervin H., Jr Epstein, and Frederic J. (1)
 CS (1) Dep. Molecular Oncol., 1 DNA Way, South San Francisco, CA 94080 USA
 SO Nature (London), (Jan. 1, 1998) Vol. 391, No. 6662, pp. 90-92. ISSN: 0028-0836.
 DT Article
 LA English

L3 ANSWER 133 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 1997:516913 BIOSIS
 DN PREV199799816116
 TI Activation of the transcription factor Glil and the **sonic hedgehog** signalling pathway in **skin** tumours.
 AU Dahmane, N.; Lee, J.; Robins, P.; Heller, P.; Ruiz I Altaba, A. (1)
 CS (1) Skirball Inst., Dev. Genet. Program, 540 First Ave., New York, NY 10016 USA
 SO Nature (London), (1997) Vol. 389, No. 6653, pp. 876-881. ISSN: 0028-0836.
 DT Article
 LA English

L3 ANSWER 134 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 1997:347034 BIOSIS
 DN PREV199799646237
 TI Induction of basal cell carcinoma features in transgenic human **skin** expressing **sonic hedgehog**.
 AU Fan, Hongran (1); Oro, Anthony E.; Scott, Matthew P.; Khavari, Paul A. (1)
 CS (1) Veterans Affairs Palo Alto Health Care System, 3801 Miranda Ave. Palo Alto, CA 94304 USA
 SO Nature Medicine, (1997) Vol. 3, No. 7, pp. 788-792. ISSN: 1078-8956.
 DT Article
 LA English

L3 ANSWER 135 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 1997:261093 BIOSIS
 DN PREV199799567696
 TI Basal cell carcinomas in mice overexpressing **sonic hedgehog**.
 AU Oro, Anthony E.; Higgins, Kay M.; Hu, Zhilan; Bonifas, Jeannette M.; Epstein., Ervin H., Jr. (1); Scott, Matthew P.
 CS (1) Dep. Dermatol., San Francisco Gen. Hosp., Univ. Calif., San Francisco, CA 94110 USA
 SO Science (Washington D C), (1997) Vol. 276, No. 5313, pp. 817-821. ISSN: 0036-8075.
 DT Article
 LA English

L3 ANSWER 136 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 1997:234569 BIOSIS
 DN PREV199799533772
 TI Induction of features of basal cell epithelioma in transgenic human
skin expressing **sonic hedgehog** in vivo.
 AU Fan, H.; Oro, A. E.; Scott, M. P.; Khavari, P. A.
 CS Dep. Dermatol., Stanford Univ., Stanford, CA USA
 SO Journal of Investigative Dermatology, (1997) Vol. 108, No. 4, pp. 544.
 Meeting Info.: Annual Meeting of the Society for Investigative Dermatology
 Washington, D.C., USA April 23-27, 1997
 ISSN: 0022-202X.
 DT Conference; Abstract
 LA English

L3 ANSWER 137 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 1997:129134 BIOSIS
 DN PREV199799420947
 TI Ectodermal patterning in vertebrate embryos.
 AU Sasai, Yoshiki; De Robertis, Eddy M.
 CS Howard Hughes Med. Inst., Univ. California, Los Angeles, CA 90095-1737 USA
 SO Developmental Biology, (1997) Vol. 182, No. 1, pp. 5-20.
 ISSN: 0012-1606.
 DT General Review
 LA English

L3 ANSWER 138 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 1997:107631 BIOSIS
 DN PREV199799406834
 TI Genetic analysis of fin formation in the zebrafish, *Danio rerio*.
 AU Van Eeden, Fredericus J. M. (1); Granato, Michael; Schach, Ursula; Brand,
 Michael; Furutani-Seiki, Makoto; Haffter, Pascal; Hammerschmidt, Matthias;
 Heisenberg, Carl-Philipp; Jiang, Yun-Jin; Kane, Donald A.; Kelsh, Robert
 N.; Mullins, Mary C.; Odenthal, Joerg; Warga, Rachel M.;
 Nuesslein-Volhard, Christiane
 CS (1) MPI Entwicklungsbiologie, Spemannstrasse 35/III, 72076 Tuebingen
 Germany
 SO Development (Cambridge), (1996) Vol. 123, No. 1, pp. 255-262.
 ISSN: 0950-1991.
 DT Article
 LA English

L3 ANSWER 139 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 1996:573038 BIOSIS
 DN PREV199799287719
 TI Local delivery of TGF beta-2 can substitute for placode epithelium to
 induce mesenchymal condensation during **skin** appendage
 morphogenesis.
 AU Ting-Berreth, Sheree A.; Chuong, Cheng-Ming (1)
 CS (1) Dep. Pathol., Univ. Southern California, HMR 204, 2011 Zonal Ave., Los
 Angeles, CA 90033 USA
 SO Developmental Biology, (1996) Vol. 179, No. 2, pp. 347-359.
 ISSN: 0012-1606.
 DT Article
 LA English

L3 ANSWER 140 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AN 1996:509797 BIOSIS
 DN PREV199699232153
 TI Early events during avian **skin** appendage regeneration:
 Dependence on epithelial-mesenchymal interaction and order of molecular
 reappearance.
 AU Chuong, Cheng-Ming (1); Widelitz, Randall B.; Ting-Berreth, Sheree; Jiang,
 Ting-Xin
 CS (1) Dep. Pathol., Sch. Med., Univ. S. C., HMR 204, 2011 Zonal Ave., Los

SO Angeles, CA 90033 USA
Journal of Investigative Dermatology, (1996) Vol. 107, No. 4, pp. 639-646.
ISSN: 0022-202X.
DT Article
LA English

L3 ANSWER 141 OF 197 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1996:156525 BIOSIS
DN PREV199698728660
TI CAMP, an activator of protein kinase A, suppresses the expression of
sonic hedgehog.
AU Noveen, Alexander; Jiang, Ting-Xin; Chuong, Cheng-Ming (1)
CS (1) Dep. Pathol., Univ. Southern California, HMR 204, 2011 Zonal Ave., Los
Angeles, CA 90033 USA
SO Biochemical and Biophysical Research Communications, (1996) Vol. 219, No.
1, pp. 180-185.
ISSN: 0006-291X.
DT Article
LA English

L3 ANSWER 142 OF 197 MEDLINE
AN 2003077628 IN-PROCESS
DN 22476240 PubMed ID: 12588389
TI A possible paracrine hedgehog signalling pathway in neurofibromas from
patients with neurofibromatosis type 1.
AU Endo H; Utani A; Matsumoto F; Kuroki T; Yoshimoto S; Ichinose M; Shinkai H
CS Departments of Clinical Biology of Extracellular Matrix and Plastic
Surgery, Graduate School of Medicine, Chiba University, 1-8-1 Inohana,
Chuo-ku, Chiba 260-8670, Japan.
SO BRITISH JOURNAL OF DERMATOLOGY, (2003 Feb) 148 (2) 337-41.
Journal code: 0004041. ISSN: 0007-0963.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS IN-PROCESS; NONINDEXED; Priority Journals
ED Entered STN: 20030221
Last Updated on STN: 20030221

L3 ANSWER 143 OF 197 MEDLINE
AN 2003063379 IN-PROCESS
DN 22461440 PubMed ID: 12573433
TI **Sonic hedgehog** in normal and neoplastic proliferation:
insight gained from human tumors and animal models.
AU Wetmore Cynthia
CS Division of Pediatric Hematology/Oncology, Department of Pediatrics and
Adolescent Medicine, and Program in Neuro-oncology, Mayo Clinic, 200 First
Street, 55905, SW Rochester, Minnesota, USA.
SO CURRENT OPINION IN GENETICS AND DEVELOPMENT, (2003 Feb) 13 (1) 34-42.
Journal code: 9111375. ISSN: 0959-437X.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS IN-PROCESS; NONINDEXED; Priority Journals
ED Entered STN: 20030208
Last Updated on STN: 20030208

L3 ANSWER 144 OF 197 MEDLINE
AN 2003026879 MEDLINE
DN 22421271 PubMed ID: 12533516
TI **Sonic hedgehog**-dependent activation of Gli2 is
essential for embryonic hair follicle development.
AU Mill Pleasantine; Mo Rong; Fu Hong; Grachtchouk Marina; Kim Peter C W;
Dlugosz Andrzej A; Hui Chi-chung
CS Program in Developmental Biology, The Hospital for Sick Children, and

Department of Molecular and Medical Genetics, University of Toronto,
Toronto, Ontario M5G 1X8, Canada.

NC R01 AR45973 (NIAMS)
SO GENES AND DEVELOPMENT, (2003 Jan 15) 17 (2) 282-94.
Journal code: 8711660. ISSN: 0890-9369.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200302
ED Entered STN: 20030122
Last Updated on STN: 20030214
Entered Medline: 20030213

L3 ANSWER 145 OF 197 MEDLINE
AN 2002735551 MEDLINE
DN 22387064 PubMed ID: 12499255
TI Significantly high levels of ultraviolet-specific mutations in the
smoothened gene in basal cell carcinomas from DNA repair-deficient
xeroderma pigmentosum patients.
AU Couve-Privat Sophie; Bouadjar Bakar; Avril Marie Francoise; Sarasin Alain;
Daya-Grosjean Leela
CS Laboratory of Genetic Instability and Cancer, UPR2169 CNRS, Institut Andre
Lwoff, 94801 Villejuif, France.
SO CANCER RESEARCH, (2002 Dec 15) 62 (24) 7186-9.
Journal code: 2984705R. ISSN: 0008-5472.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200301
ED Entered STN: 20021227
Last Updated on STN: 20030129
Entered Medline: 20030128

L3 ANSWER 146 OF 197 MEDLINE
AN 2002633342 MEDLINE
DN 22272619 PubMed ID: 12384550
TI Comparative gene expression profile analysis of GLI and c-MYC in an
epithelial model of malignant transformation.
AU Louro Iuri D; Bailey Evans C; Li Xingnan; South Lindsey S; McKie-Bell
Peggy R; Yoder Bradley K; Huang Conway C; Johnson Martin R; Hill Aubrey E;
Johnson Ronald L; Ruppert J Michael
CS Department of Medicine, Division of Hematology/Oncology, University of
Alabama at Birmingham, 35294, USA.
SO CANCER RESEARCH, (2002 Oct 15) 62 (20) 5867-73.
Journal code: 2984705R. ISSN: 0008-5472.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200211
ED Entered STN: 20021024
Last Updated on STN: 20021214
Entered Medline: 20021129

L3 ANSWER 147 OF 197 MEDLINE
AN 2002477621 MEDLINE
DN 22224891 PubMed ID: 12239425
TI Photocarcinogenesis: UVA vs. UVB radiation.
AU de Gruijl Frank R
CS Department of Dermatology, Leiden University Medical Center/LUMC, Leiden,
Netherlands.. F.R.de_Gruijl@lumc.nl
SO SKIN PHARMACOLOGY AND APPLIED SKIN PHYSIOLOGY, (2002 Sep-Oct) 15 (5)

316-20. Ref: 17
Journal code: 9807277. ISSN: 1422-2868.

CY Switzerland
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Priority Journals
EM 200211
ED Entered STN: 20020920
Last Updated on STN: 20021214
Entered Medline: 20021126

L3 ANSWER 148 OF 197 MEDLINE
AN 2002476951 MEDLINE
DN 22218268 PubMed ID: 12230506
TI Mucosal addressin cell adhesion molecule 1 plays an unexpected role in the development of mouse guard hair.
AU Nishioka Eri; Tanaka Toshiyuki; Yoshida Hisahiro; Matsumura Kazuyoshi; Nishikawa Satomi; Naito Asuka; Inoue Jun-ichiro; Funasaka Yoko; Ichihashi Masamitsu; Miyasaka Masayuki; Nishikawa Shin-Ichi
CS Department of Molecular Genetics, Graduate School of Medicine, Kyoto University, Kyoto, Japan.. enishiok@cdb.riken.go.jp
SO JOURNAL OF INVESTIGATIVE DERMATOLOGY, (2002 Sep) 119 (3) 632-8.
Journal code: 0426720. ISSN: 0022-202X.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200210
ED Entered STN: 20020920
Last Updated on STN: 20021022
Entered Medline: 20021010

L3 ANSWER 149 OF 197 MEDLINE
AN 2002472912 MEDLINE
DN 22219969 PubMed ID: 12235001
TI Dissecting the oncogenic potential of Gli2: deletion of an NH(2)-terminal fragment alters **skin** tumor phenotype.
AU Sheng Hong; Goich Sara; Wang Aiqin; Grachtchouk Marina; Lowe Lori; Mo Rong; Lin Kui; de Sauvage Frederic J; Sasaki Hiroshi; Hui Chi-chung; Dlugosz Andrzej A
CS Comprehensive Cancer Center, Department of Dermatology, University of Michigan, 1500 E Medical Center Drive, Ann Arbor, MI 48109, USA.
NC P30 CA 046592 (NCI)
R01 CA 87837 (NCI)
T32 AR 07197 (NIAMS)
SO CANCER RESEARCH, (2002 Sep 15) 62 (18) 5308-16.
Journal code: 2984705R. ISSN: 0008-5472.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200210
ED Entered STN: 20020918
Last Updated on STN: 20021010
Entered Medline: 20021008

L3 ANSWER 150 OF 197 MEDLINE
AN 2002459233 MEDLINE
DN 22206237 PubMed ID: 12217324
TI Differential requirements for shh in mammary tissue and hair follicle morphogenesis.
AU Gallego Marta I; Beachy Philip A; Hennighausen Lothar; Robinson Gertraud W

CS Laboratory of Genetics and Physiology, National Institute of Diabetes and Digestive and Kidney Diseases, National Institute of Health, Bethesda, Maryland 20892, USA.
 SO DEVELOPMENTAL BIOLOGY, (2002 Sep 1) 249 (1) 131-9.
 Journal code: 0372762. ISSN: 0012-1606.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200210
 ED Entered STN: 20020910
 Last Updated on STN: 20021008
 Entered Medline: 20021007

L3 ANSWER 151 OF 197 MEDLINE
 AN 2002449927 MEDLINE
 DN 22198920 PubMed ID: 12210117
 TI Shh-Bmp2 signaling module and the evolutionary origin and diversification of feathers.
 AU Harris Matthew P; Fallon John F; Prum Richard O
 CS Department of Anatomy, University of Wisconsin, Madison, Wisconsin 53706, USA.. mpharri2@students.wisc.edu
 NC 32551
 SO JOURNAL OF EXPERIMENTAL ZOOLOGY, (2002 Aug 15) 294 (2) 160-76.
 Journal code: 0375365. ISSN: 0022-104X.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200211
 ED Entered STN: 20020906
 Last Updated on STN: 20021212
 Entered Medline: 20021112

L3 ANSWER 152 OF 197 MEDLINE
 AN 2002426330 MEDLINE
 DN 22170576 PubMed ID: 12183437
 TI FOXM1 is a downstream target of Glil in basal cell carcinomas.
 AU Teh Muy-Teck; Wong Soon-Tee; Neill Graham W; Ghali Lucy R; Philpott Michael P; Quinn Anthony G
 CS Centre for Cutaneous Research, Barts & The London School of Medicine and Dentistry, Queen Mary, University of London, London E1 2AT, United Kingdom.. m.t.teh@qmul.ac.uk
 SO CANCER RESEARCH, (2002 Aug 15) 62 (16) 4773-80.
 Journal code: 2984705R. ISSN: 0008-5472.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200209
 ED Entered STN: 20020817
 Last Updated on STN: 20020926
 Entered Medline: 20020925

L3 ANSWER 153 OF 197 MEDLINE
 AN 2002416134 MEDLINE
 DN 22099806 PubMed ID: 12102658
 TI CUSP/p63 expression in basal cell carcinoma.
 AU Dellavalle Robert P; Walsh Patrick; Marchbank Angela; Grayson Timothy E; Su Lih-Jen; Parker Eva R; DeGregori James; Penheiter Kristi; Aszterbaum Michelle; Epstein Ervin H Jr; Lee Lela A
 CS Department of Dermatology, University of Colorado School of Medicine, Denver, Colorado, USA.
 NC CA46934 (NCI)

SO EXPERIMENTAL DERMATOLOGY, (2002 Jun) 11 (3) 203-8.
 Journal code: 9301549. ISSN: 0906-6705.
 CY Denmark
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200302
 ED Entered STN: 20020813
 Last Updated on STN: 20030205
 Entered Medline: 20030204

L3 ANSWER 154 OF 197 MEDLINE
 AN 2002407223 MEDLINE
 DN 22151587 PubMed ID: 12161193
 TI In vivo enhanced expression of patched dampens the **sonic hedgehog** pathway.
 AU Bergstein Ivan; Leopold Philip; Sato Noboru; Panteleyev Andrei; Christiano Angela; Crystal Ronald
 CS Division of Pulmonary and Critical Care Medicine, Weill Medical College of Cornell University, New York, New York, 10021, USA.
 NC AR 46282 (NIAMS)
 SO MOLECULAR THERAPY, (2002 Aug) 6 (2) 258-64.
 Journal code: 100890581. ISSN: 1525-0016.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals; Space Life Sciences
 EM 200210
 ED Entered STN: 20020806
 Last Updated on STN: 20021008
 Entered Medline: 20021004

L3 ANSWER 155 OF 197 MEDLINE
 AN 2002302950 MEDLINE
 DN 22038879 PubMed ID: 12044012
 TI Gli and hedgehog in cancer: tumours, embryos and stem cells.
 AU Ruiz i Altaba Ariel; Sanchez Pilar; Dahmane Nadia
 CS The Skirball Institute, Department of Cell Biology, New York University School of Medicine, New York 10016, USA.. ria@saturn.med.nyu.edu
 SO Nat Rev Cancer, (2002 May) 2 (5) 361-72. Ref: 137
 Journal code: 101124168. ISSN: 1474-175X.
 CY England: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, ACADEMIC)
 LA English
 FS Priority Journals
 EM 200206
 ED Entered STN: 20020605
 Last Updated on STN: 20020621
 Entered Medline: 20020620

L3 ANSWER 156 OF 197 MEDLINE
 AN 2002229479 MEDLINE
 DN 21963611 PubMed ID: 11966727
 TI Carcinogenesis of basal cell carcinomas: genetics and molecular mechanisms.
 AU Lacour J P
 CS Department of Dermatology, Hopital Archet-2, BP 3079, 06202 Nice cedex 3, France.. lacour@unice.fr
 SO BRITISH JOURNAL OF DERMATOLOGY, (2002 Apr) 146 Suppl 61 17-9. Ref: 9
 Journal code: 0004041. ISSN: 0007-0963.
 CY England: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)

General Review; (REVIEW)
(REVIEW, TUTORIAL)

LA English
FS Priority Journals
EM 200206
ED Entered STN: 20020423
Last Updated on STN: 20020621
Entered Medline: 20020620

L3 ANSWER 157 OF 197 MEDLINE
AN 2002109871 MEDLINE
DN 21830403 PubMed ID: 11841368
TI Expression of a **sonic hedgehog** signal transducer,
hedgehog-interacting protein, by human basal cell carcinoma.
AU Tojo M; Kiyosawa H; Iwatsuki K; Kaneko F
CS Department of Dermatology, Institute of Biomedical Sciences, Fukushima
Medical University School of Medicine, 1 Hikarigaoka, Fukushima 960-1295,
Japan.. tojo@fmu.ac.jp
SO BRITISH JOURNAL OF DERMATOLOGY, (2002 Jan) 146 (1) 69-73.
Journal code: 0004041. ISSN: 0007-0963.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200203
ED Entered STN: 20020214
Last Updated on STN: 20020315
Entered Medline: 20020314

L3 ANSWER 158 OF 197 MEDLINE
AN 2002056635 MEDLINE
DN 21642126 PubMed ID: 11782404
TI Expression of DeltaN Δ 1 in mouse epidermis results in differentiation of
hair follicles into squamous epidermal cysts and formation of **skin**
tumours.
AU Niemann Catherin; Owens David M; Hulsken Jorg; Birchmeier Walter; Watt
Fiona M
CS Imperial Cancer Research Fund, 44 Lincoln's Inn Fields, London WC2A 3PX,
UK.
NC CA75638-02 (NCI)
SO DEVELOPMENT, (2002 Jan) 129 (1) 95-109.
Journal code: 8701744. ISSN: 0950-1991.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200202
ED Entered STN: 20020125
Last Updated on STN: 20020208
Entered Medline: 20020207

L3 ANSWER 159 OF 197 MEDLINE
AN 2002031504 MEDLINE
DN 21594332 PubMed ID: 11758785
TI Suppression of hair follicle development inhibits induction of
sonic hedgehog, patched, and patched-2 in hair germs in
mice.
AU Yamago G; Takata Y; Furuta I; Urase K; Momoi T; Huh N
CS Department of Cell Biology, Okayama University Graduate School of Medicine
and Dentistry, Japan.
SO ARCHIVES OF DERMATOLOGICAL RESEARCH, (2001 Sep) 293 (9) 435-41.
Journal code: 8000462. ISSN: 0340-3696.
CY Germany: Germany, Federal Republic of
DT Journal; Article; (JOURNAL ARTICLE)

LA English
 FS Priority Journals
 EM 200204
 ED Entered STN: 20020124
 Last Updated on STN: 20020424
 Entered Medline: 20020423

L3 ANSWER 160 OF 197 MEDLINE
 AN 2002003693 MEDLINE
 DN 21623990 PubMed ID: 11752010
 TI Effect of adenovirus-mediated expression of **Sonic hedgehog** gene on hair regrowth in mice with chemotherapy-induced alopecia.
 AU Sato N; Leopold P L; Crystal R G
 CS Division of Pulmonary and Critical Care Medicine, Weill Medical College of Cornell University, New York, NY 10021, USA.
 NC R01AR46282-01A1 (NIAMS)
 SO JOURNAL OF THE NATIONAL CANCER INSTITUTE, (2001 Dec 19) 93 (24) 1858-64.
 Journal code: 7503089. ISSN: 0027-8874.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200201
 ED Entered STN: 20020102
 Last Updated on STN: 20020128
 Entered Medline: 20020123

L3 ANSWER 161 OF 197 MEDLINE
 AN 2001689885 MEDLINE
 DN 21599873 PubMed ID: 11736900
 TI Immunohistochemical detection for nuclear beta-catenin in sporadic basal cell carcinoma.
 AU Yamazaki F; Aragane Y; Kawada A; Tezuka T
 CS Department of Dermatology, Kinki University School of Medicine, 377-2 Ohnohigashi, Osakasayama-shi, 589-8511 Osaka, Japan.
 SO BRITISH JOURNAL OF DERMATOLOGY, (2001 Nov) 145 (5) 771-7.
 Journal code: 0004041. ISSN: 0007-0963.
 CY England: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200112
 ED Entered STN: 20011213
 Last Updated on STN: 20020123
 Entered Medline: 20011227

L3 ANSWER 162 OF 197 MEDLINE
 AN 2001490052 MEDLINE
 DN 21423405 PubMed ID: 11532396
 TI Monstrous attempts at adnexogenesis: regulating hair follicle progenitors through **Sonic hedgehog** signaling.
 AU Callahan C A; Oro A E
 CS Program in Epithelial Biology, Stanford University, CCSR Building, Room 2145, 269 Campus Drive, Stanford, CA 94305-5168, USA.
 NC AR46786 (NIAMS)
 SO CURRENT OPINION IN GENETICS AND DEVELOPMENT, (2001 Oct) 11 (5) 541-6.
 Ref: 48
 Journal code: 9111375. ISSN: 0959-437X.
 CY England: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, TUTORIAL)
 LA English

FS Priority Journals
 EM 200112
 ED Entered STN: 20010905
 Last Updated on STN: 20020122
 Entered Medline: 20011204

L3 ANSWER 163 OF 197 MEDLINE
 AN 2001479307 MEDLINE
 DN 21414085 PubMed ID: 11523056
 TI Expression of the **Sonic Hedgehog** receptor "PATCHED" in
 basal cell carcinomas and odontogenic keratocysts.
 AU Zedan W; Robinson P A; Markham A F; High A S
 CS Molecular Medicine Unit, University of Leeds, Clinical Sciences Building,
 St James's University Hospital, Leeds, LS9 7TF, UK.
 SO JOURNAL OF PATHOLOGY, (2001 Aug) 194 (4) 473-7.
 Journal code: 0204634. ISSN: 0022-3417.
 CY England: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200109
 ED Entered STN: 20010828
 Last Updated on STN: 20011001
 Entered Medline: 20010927

L3 ANSWER 164 OF 197 MEDLINE
 AN 2001477516 MEDLINE
 DN 21412236 PubMed ID: 11520664
 TI Characterization of Wnt gene expression in developing and postnatal hair
 follicles and identification of Wnt5a as a target of **Sonic**
hedgehog in hair follicle morphogenesis.
 AU Reddy S; Andl T; Bagasra A; Lu M M; Epstein D J; Morrissey E E; Millar S E
 CS Departments of Dermatology and Cell and Developmental Biology, University
 of Pennsylvania School of Medicine, Philadelphia, PA 19104, USA.
 SO MECHANISMS OF DEVELOPMENT, (2001 Sep) 107 (1-2) 69-82.
 Journal code: 9101218. ISSN: 0925-4773.
 CY Ireland
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200112
 ED Entered STN: 20010827
 Last Updated on STN: 20020122
 Entered Medline: 20011204

L3 ANSWER 165 OF 197 MEDLINE
 AN 2001191881 MEDLINE
 DN 21125667 PubMed ID: 11032829
 TI Post-transcriptional regulation of the glil oncogene by the expression of
 alternative 5' untranslated regions.
 AU Wang X Q; Rothnagel J A
 CS Department of Biochemistry and the Institute for Molecular Bioscience, The
 University of Queensland, Brisbane, Queensland 4072, Australia.
 SO JOURNAL OF BIOLOGICAL CHEMISTRY, (2001 Jan 12) 276 (2) 1311-6.
 Journal code: 2985121R. ISSN: 0021-9258.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200104
 ED Entered STN: 20010410
 Last Updated on STN: 20010410
 Entered Medline: 20010405

L3 ANSWER 166 OF 197 MEDLINE
 AN 2001123022 MEDLINE
 DN 21032566 PubMed ID: 11187133
 TI [Why **skin** cancer?].
 Hvorfor hudkraeft?.
 AU Gniadecki R; Wulf H C
 CS H:S Bispebjerg Hospital, dermatologisk afdeling D.
 SO UGESKRIFT FOR LAEGER, (2000 Dec 11) 162 (50) 6816-9. Ref: 26
 Journal code: 0141730. ISSN: 0041-5782.
 CY Denmark
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, TUTORIAL)
 LA Danish
 FS Priority Journals
 EM 200102
 ED Entered STN: 20010322
 Last Updated on STN: 20010322
 Entered Medline: 20010222

L3 ANSWER 167 OF 197 MEDLINE
 AN 2001108760 MEDLINE
 DN 21068090 PubMed ID: 11152763
 TI Controls of hair follicle cycling.
 AU Stenn K S; Paus R
 CS Beauty Genome Sciences Inc., Skillman, New Jersey, USA..
 kstenn@cpcus.jnj.com
 SO PHYSIOLOGICAL REVIEWS, (2001 Jan) 81 (1) 449-494. Ref: 619
 Journal code: 0231714. ISSN: 0031-9333.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, TUTORIAL)
 LA English
 FS Priority Journals
 EM 200102
 ED Entered STN: 20010322
 Last Updated on STN: 20010322
 Entered Medline: 20010208

L3 ANSWER 168 OF 197 MEDLINE
 AN 2001071673 MEDLINE
 DN 21012426 PubMed ID: 11130174
 TI **Sonic hedgehog** signaling pathway in vertebrate
 epithelial appendage morphogenesis: perspectives in development and
 evolution.
 AU Chuong C M; Patel N; Lin J; Jung H S; Widelitz R B
 CS Department of Pathology, School of Medicine, University of Southern
 California, Los Angeles 90033, USA.. chuong@pathfinder.hsc.usc.edu
 SO CELLULAR AND MOLECULAR LIFE SCIENCES, (2000 Nov) 57 (12) 1672-81. Ref: 63
 Journal code: 9705402. ISSN: 1420-682X.
 CY Switzerland
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, TUTORIAL)
 LA English
 FS Priority Journals
 EM 200101
 ED Entered STN: 20010322
 Last Updated on STN: 20010322
 Entered Medline: 20010104

L3 ANSWER 169 OF 197 MEDLINE
 AN 2000513731 MEDLINE

DN 20522741 PubMed ID: 11070952
 TI Beauty is **skin** deep: the fascinating biology of the epidermis
 and its appendages.
 AU Fuchs E
 CS Howard Hughes Medical Institute, Department of Molecular Genetics and Cell
 Biology, University of Chicago, Illinois, USA.
 SO HARVEY LECTURES, (1998-99) 94 47-77. Ref: 169
 Journal code: 0404252. ISSN: 0073-0874.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, ACADEMIC)
 LA English
 FS Priority Journals
 EM 200012
 ED Entered STN: 20010322
 Last Updated on STN: 20010322
 Entered Medline: 20001219

L3 ANSWER 170 OF 197 MEDLINE
 AN 2000474365 MEDLINE
 DN 20420329 PubMed ID: 10954731
 TI Conservation of early odontogenic signaling pathways in Aves.
 AU Chen Y; Zhang Y; Jiang T X; Barlow A J; St Amand T R; Hu Y; Heaney S;
 Francis-West P; Chuong C M; Maas R
 CS Division of Genetics, Department of Medicine, Brigham and Women's Hospital
 and Harvard Medical School, Boston, MA 02115, USA.
 NC R01 DE12329 (NIDCR)
 R01DE11697 (NIDCR)
 SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF
 AMERICA, (2000 Aug 29) 97 (18) 10044-9.
 Journal code: 7505876. ISSN: 0027-8424.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200010
 ED Entered STN: 20001012
 Last Updated on STN: 20001012
 Entered Medline: 20001005

L3 ANSWER 171 OF 197 MEDLINE
 AN 2000299177 MEDLINE
 DN 20299177 PubMed ID: 10838143
 TI UV-specific mutations of the human patched gene in basal cell carcinomas
 from normal individuals and xeroderma pigmentosum patients.
 AU Daya-Grosjean L; Sarasin A
 CS Laboratory of Molecular Genetics, UPR 42, CNRS, Institut de Recherche sur
 le Cancer, B.P. no. 8, Cedex 94801, Villejuif, France.
 SO MUTATION RESEARCH, (2000 May 30) 450 (1-2) 193-9. Ref: 32
 Journal code: 0400763. ISSN: 0027-5107.
 CY Netherlands
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, TUTORIAL)
 LA English
 FS Priority Journals
 EM 200007
 ED Entered STN: 20000810
 Last Updated on STN: 20000810
 Entered Medline: 20000727

L3 ANSWER 172 OF 197 MEDLINE
 AN 2000278060 MEDLINE

DN 20278060 PubMed ID: 10817753
 TI Wnt signaling maintains the hair-inducing activity of the dermal papilla.
 AU Kishimoto J; Burgeson R E; Morgan B A
 CS Cutaneous Biology Research Center, Massachusetts General Hospital and
 Harvard Medical School, Charlestown, Massachusetts 02129, USA.
 SO GENES AND DEVELOPMENT, (2000 May 15) 14 (10) 1181-5.
 Journal code: 8711660. ISSN: 0890-9369.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200006
 ED Entered STN: 20000706
 Last Updated on STN: 20000706
 Entered Medline: 20000626

L3 ANSWER 173 OF 197 MEDLINE
 AN 2000255338 MEDLINE
 DN 20255338 PubMed ID: 10771469
 TI Regular articles: conditional disruption of hedgehog signaling pathway
 defines its critical role in hair development and regeneration.
 AU Wang L C; Liu Z Y; Gambardella L; Delacour A; Shapiro R; Yang J; Sizing I;
 Rayhorn P; Garber E A; Benjamin C D; Williams K P; Taylor F R; Barrandon
 Y; Ling L; Burkly L C
 CS Biogen Inc, Cambridge, Massachusetts 02142, USA.. lichun_wang@biogen.com
 SO JOURNAL OF INVESTIGATIVE DERMATOLOGY, (2000 May) 114 (5) 901-8.
 Journal code: 0426720. ISSN: 0022-202X.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200006
 ED Entered STN: 20000616
 Last Updated on STN: 20000616
 Entered Medline: 20000602

L3 ANSWER 174 OF 197 MEDLINE
 AN 2000246362 MEDLINE
 DN 20246362 PubMed ID: 10786690
 TI The normal patched allele is expressed in medulloblastomas from mice with
 heterozygous germ-line mutation of patched.
 AU Wetmore C; Eberhart D E; Curran T
 CS Department of Developmental Neurobiology, St Jude Children's Research
 Hospital, Memphis, TN 38105, USA.
 NC P30 CA 21765 (NCI)
 SO CANCER RESEARCH, (2000 Apr 15) 60 (8) 2239-46.
 Journal code: 2984705R. ISSN: 0008-5472.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200005
 ED Entered STN: 20000518
 Last Updated on STN: 20000518
 Entered Medline: 20000511

L3 ANSWER 175 OF 197 MEDLINE
 AN 2000202654 MEDLINE
 DN 20202654 PubMed ID: 10725363
 TI Induction of basal cell carcinomas and trichoepitheliomas in mice
 overexpressing GLI-1.
 AU Nilsson M; Uden A B; Krause D; Malmqwist U; Raza K; Zaphiropoulos P G;
 Toftgard R
 CS Department of Biosciences at Novum, Karolinska Institutet, SE-141 57,

Huddinge, Sweden.

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (2000 Mar 28) 97 (7) 3438-43.
Journal code: 7505876. ISSN: 0027-8424.

CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200004
ED Entered STN: 20000505
Last Updated on STN: 20000505
Entered Medline: 20000424

L3 ANSWER 176 OF 197 MEDLINE
AN 1999441307 MEDLINE
DN 99441307 PubMed ID: 10510326
TI Induction of the hair growth phase in postnatal mice by localized transient expression of **Sonic hedgehog**.
CM Comment in: J Clin Invest. 1999 Oct;104(7):851-3
AU Sato N; Leopold P L; Crystal R G
CS Division of Pulmonary and Critical Care Medicine, Weill Medical College of Cornell University-New York Presbyterian Hospital, New York, New York 10021, USA.

SO JOURNAL OF CLINICAL INVESTIGATION, (1999 Oct) 104 (7) 855-64.
Journal code: 7802877. ISSN: 0021-9738.

CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 199911
ED Entered STN: 20000111
Last Updated on STN: 20000111
Entered Medline: 19991102

L3 ANSWER 177 OF 197 MEDLINE
AN 1999435918 MEDLINE
DN 99435918 PubMed ID: 10504535
TI Expression of **sonic hedgehog** signal transducers, patched and smoothened, in human basal cell carcinoma.
AU Tojo M; Mori T; Kiyosawa H; Honma Y; Tanno Y; Kanazawa K Y; Yokoya S; Kaneko F; Wanaka A
CS Department of Cell Science, Institute of Biomedical Sciences, Fukushima Medical University School of Medicine, Fukushima City, Japan..
tojo@cc.fmu.ac.jp

SO PATHOLOGY INTERNATIONAL, (1999 Aug) 49 (8) 687-94.
Journal code: 9431380. ISSN: 1320-5463.

CY Australia
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200001
ED Entered STN: 20000114
Last Updated on STN: 20000114
Entered Medline: 20000105

L3 ANSWER 178 OF 197 MEDLINE
AN 1999434653 MEDLINE
DN 99434653 PubMed ID: 10505029
TI The patched/hedgehog/smoothened signalling pathway in human breast cancer: no evidence for H133Y SHH, PTCH and SMO mutations.
AU Vorechovsky I; Benediktsson K P; Toftgard R
CS Karolinska Institute, Department of Biosciences at Novum, Huddinge, Sweden.. lgor.vorechovsky@cbt.ki.se

SO EUROPEAN JOURNAL OF CANCER, (1999 May) 35 (5) 711-3.

Journal code: 9005373. ISSN: 0959-8049.

CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199910
 ED Entered STN: 19991014
 Last Updated on STN: 20001027
 Entered Medline: 19991007

L3 ANSWER 179 OF 197 MEDLINE
 AN 1999265935 MEDLINE
 DN 99265935 PubMed ID: 10331973
 TI Roles for PDGF-A and **sonic hedgehog** in development of
 mesenchymal components of the hair follicle.
 AU Karlsson L; Bondjers C; Betsholtz C
 CS Department of Medical Biochemistry, Goteborg University, Medicinaregatan
 9A, Box 440, SE 405 30 Goteborg, Sweden.
 SO DEVELOPMENT, (1999 Jun) 126 (12) 2611-21.
 Journal code: 8701744. ISSN: 0950-1991.

CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199907
 ED Entered STN: 19990730
 Last Updated on STN: 20000303
 Entered Medline: 19990722

L3 ANSWER 180 OF 197 MEDLINE
 AN 1999265932 MEDLINE
 DN 99265932 PubMed ID: 10331970
 TI Wnt-7a in feather morphogenesis: involvement of anterior-posterior
 asymmetry and proximal-distal elongation demonstrated with an in vitro
 reconstitution model.
 AU Widelitz R B; Jiang T X; Chen C W; Stott N S; Chuong C M
 CS Department of Pathology, School of Medicine, University of Southern
 California, Los Angeles, CA 90033, USA.
 NC AR 42177 (NIAMS)
 CA 67118 (NCI)
 SO DEVELOPMENT, (1999 Jun) 126 (12) 2577-87.
 Journal code: 8701744. ISSN: 0950-1991.

CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199907
 ED Entered STN: 19990730
 Last Updated on STN: 19990730
 Entered Medline: 19990722

L3 ANSWER 181 OF 197 MEDLINE
 AN 1999102111 MEDLINE
 DN 99102111 PubMed ID: 9882493
 TI Essential role for **Sonic hedgehog** during hair follicle
 morphogenesis.
 AU Chiang C; Swan R Z; Grachtchouk M; Bolinger M; Litingtung Y; Robertson E
 K; Cooper M K; Gaffield W; Westphal H; Beachy P A; Dlugosz A A
 CS Laboratory of Mammalian Genes and Development, National Institutes of
 Health, Bethesda, Maryland, 20892, USA.
 SO DEVELOPMENTAL BIOLOGY, (1999 Jan 1) 205 (1) 1-9.
 Journal code: 0372762. ISSN: 0012-1606.

CY United States
 DT Journal; Article; (JOURNAL ARTICLE)

LA English
 FS Priority Journals
 EM 199902
 ED Entered STN: 19990223
 Last Updated on STN: 19990223
 Entered Medline: 19990205

L3 ANSWER 182 OF 197 MEDLINE
 AN 1999059496 MEDLINE
 DN 99059496 PubMed ID: 9845363
 TI De Novo hair follicle morphogenesis and hair tumors in mice expressing a truncated beta-catenin in **skin**.
 AU Gat U; DasGupta R; Degenstein L; Fuchs E
 CS Howard Hughes Medical Institute, The University of Chicago, Illinois 60637, USA.
 NC 5P50-DE11921 (NIDCR)
 AR31737 (NIAMS)
 SO CELL, (1998 Nov 25) 95 (5) 605-14.
 Journal code: 0413066. ISSN: 0092-8674.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199812
 ED Entered STN: 19990115
 Last Updated on STN: 20000303
 Entered Medline: 19981228

L3 ANSWER 183 OF 197 MEDLINE
 AN 1999030620 MEDLINE
 DN 99030620 PubMed ID: 9811851
 TI Characterization of two patched receptors for the vertebrate hedgehog protein family.
 AU Carpenter D; Stone D M; Brush J; Ryan A; Armanini M; Frantz G; Rosenthal A; de Sauvage F J
 CS Department of Molecular Oncology, Genentech Inc., 1 DNA Way, South San Francisco, CA 94080, USA.
 SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (1998 Nov 10) 95 (23) 13630-4.
 Journal code: 7505876. ISSN: 0027-8424.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-AF091501
 EM 199812
 ED Entered STN: 19990115
 Last Updated on STN: 19990115
 Entered Medline: 19981216

L3 ANSWER 184 OF 197 MEDLINE
 AN 1998441474 MEDLINE
 DN 98441474 PubMed ID: 9768360
 TI **Sonic hedgehog** signaling is essential for hair development.
 AU St-Jacques B; Dassule H R; Karavanova I; Botchkarev V A; Li J; Danielian P S; McMahon J A; Lewis P M; Paus R; McMahon A P
 CS Molecular and Cellular Biology, Harvard University, Cambridge, Massachusetts 02138, USA.
 NC NS 33642 (NINDS)
 SO CURRENT BIOLOGY, (1998 Sep 24) 8 (19) 1058-68.
 Journal code: 9107782. ISSN: 0960-9822.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)

LA English
 FS Priority Journals
 EM 199902
 ED Entered STN: 19990216
 Last Updated on STN: 19990216
 Entered Medline: 19990201

L3 ANSWER 185 OF 197 MEDLINE
 AN 1998406321 MEDLINE
 DN 98406321 PubMed ID: 9733569
 TI Stage-specific effects of **sonic hedgehog** expression in the epidermis.
 AU Morgan B A; Orkin R W; Noramly S; Perez A
 CS Cutaneous Biology Research Center, Massachusetts General Hospital, Charlestown, Massachusetts, 02129, USA.. bruce_morgan@cbrc2.mgh.harvard.edu
 SO DEVELOPMENTAL BIOLOGY, (1998 Sep 1) 201 (1) 1-12.
 Journal code: 0372762. ISSN: 0012-1606.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199809
 ED Entered STN: 19981008
 Last Updated on STN: 19981008
 Entered Medline: 19980928

L3 ANSWER 186 OF 197 MEDLINE
 AN 1998240971 MEDLINE
 DN 98240971 PubMed ID: 9581815
 TI Missense mutations in SMOH in sporadic basal cell carcinomas of the **skin** and primitive neuroectodermal tumors of the central nervous system.
 AU Reifenger J; Wolter M; Weber R G; Megahed M; Ruzicka T; Lichter P; Reifenger G
 CS Hautklinik, Heinrich-Heine-Universitat, Dusseldorf, Germany.
 SO CANCER RESEARCH, (1998 May 1) 58 (9) 1798-803.
 Journal code: 2984705R. ISSN: 0008-5472.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199806
 ED Entered STN: 19980611
 Last Updated on STN: 20000303
 Entered Medline: 19980602

L3 ANSWER 187 OF 197 MEDLINE
 AN 1998082974 MEDLINE
 DN 98082974 PubMed ID: 9422511
 TI Activating Smoothed mutations in sporadic basal-cell carcinoma.
 AU Xie J; Murone M; Luoh S M; Ryan A; Gu Q; Zhang C; Bonifas J M; Lam C W; Hynes M; Goddard A; Rosenthal A; Epstein E H Jr; de Sauvage F J
 CS Department of Dermatology, San Francisco General Hospital, University of California, 94110, USA.
 SO NATURE, (1998 Jan 1) 391 (6662) 90-2.
 Journal code: 0410462. ISSN: 0028-0836.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-AF114819; GENBANK-AF114820; GENBANK-AF114821
 EM 199801
 ED Entered STN: 19980129

Last Updated on STN: 20000303
Entered Medline: 19980115

L3 ANSWER 188 OF 197 MEDLINE
AN 1998007978 MEDLINE
DN 98007978 PubMed ID: 9349822
TI Activation of the transcription factor Glil and the **Sonic hedgehog** signalling pathway in **skin** tumours.
CM Erratum in: Nature 1997 Dec 4;390(6659):536
AU Dahmane N; Lee J; Robins P; Heller P; Ruiz i Altaba A
CS The Skirball Institute, Department of Cell Biology, New York University Medical Center, New York 10016, USA.
SO NATURE, (1997 Oct 23) 389 (6653) 876-81.
Journal code: 0410462. ISSN: 0028-0836.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199711
ED Entered STN: 19971224
Last Updated on STN: 19990129
Entered Medline: 19971113

L3 ANSWER 189 OF 197 MEDLINE
AN 97355628 MEDLINE
DN 97355628 PubMed ID: 9212109
TI Induction of basal cell carcinoma features in transgenic human **skin** expressing **Sonic Hedgehog**.
AU Fan H; Oro A E; Scott M P; Khavari P A
CS Veterans Affairs Palo Alto Health Care System, CA 94304, USA.
NC AR 43799 (NIAMS)
SO NATURE MEDICINE, (1997 Jul) 3 (7) 788-92.
Journal code: 9502015. ISSN: 1078-8956.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199708
ED Entered STN: 19970813
Last Updated on STN: 19970813
Entered Medline: 19970804

L3 ANSWER 190 OF 197 MEDLINE
AN 97277228 MEDLINE
DN 97277228 PubMed ID: 9115210
TI Basal cell carcinomas in mice overexpressing **sonic hedgehog**.
AU Oro A E; Higgins K M; Hu Z; Bonifas J M; Epstein E H Jr; Scott M P
CS Howard Hughes Medical Institute, Department of Dermatology, Stanford University School of Medicine, Stanford, CA 94305-5427, USA.
NC AR39959 (NIAMS)
SO SCIENCE, (1997 May 2) 276 (5313) 817-21.
Journal code: 0404511. ISSN: 0036-8075.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199705
ED Entered STN: 19970602
Last Updated on STN: 19970602
Entered Medline: 19970519

L3 ANSWER 191 OF 197 MEDLINE
AN 97228548 MEDLINE

DN 97228548 PubMed ID: 9073437
 TI Ectodermal patterning in vertebrate embryos.
 AU Sasai Y; De Robertis E M
 CS Howard Hughes Medical Institute, University of California, Los Angeles
 90095-1737, USA.
 NC HD 21502-11 (NICHD)
 SO DEVELOPMENTAL BIOLOGY, (1997 Feb 1) 182 (1) 5-20. Ref: 167
 Journal code: 0372762. ISSN: 0012-1606.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 General Review; (REVIEW)
 (REVIEW, ACADEMIC)
 LA English
 FS Priority Journals
 EM 199704
 ED Entered STN: 19970424
 Last Updated on STN: 19970424
 Entered Medline: 19970414

L3 ANSWER 192 OF 197 MEDLINE
 AN 97159729 MEDLINE
 DN 97159729 PubMed ID: 9007245
 TI Genetic analysis of fin formation in the zebrafish, *Danio rerio*.
 AU van Eeden F J; Granato M; Schach U; Brand M; Furutani-Seiki M; Haffter P;
 Hammerschmidt M; Heisenberg C P; Jiang Y J; Kane D A; Kelsh R N; Mullins M
 C; Odenthal J; Warga R M; Nusslein-Volhard C
 CS MPI fur Entwicklungsbiologie, Tübingen, Germany.
 SO DEVELOPMENT, (1996 Dec) 123 255-62.
 Journal code: 8701744. ISSN: 0950-1991.
 CY ENGLAND: United Kingdom
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199702
 ED Entered STN: 19970227
 Last Updated on STN: 19980206
 Entered Medline: 19970211

L3 ANSWER 193 OF 197 MEDLINE
 AN 97060316 MEDLINE
 DN 97060316 PubMed ID: 8903351
 TI Local delivery of TGF beta2 can substitute for placode epithelium to
 induce mesenchymal condensation during skin appendage
 morphogenesis.
 AU Ting-Berreth S A; Chuong C M
 CS Department of Pathology, University of Southern California, Los Angeles
 90033, USA.
 SO DEVELOPMENTAL BIOLOGY, (1996 Nov 1) 179 (2) 347-59.
 Journal code: 0372762. ISSN: 0012-1606.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199701
 ED Entered STN: 19970128
 Last Updated on STN: 19970128
 Entered Medline: 19970102

L3 ANSWER 194 OF 197 MEDLINE
 AN 96420676 MEDLINE
 DN 96420676 PubMed ID: 8823374
 TI Early events during avian skin appendage regeneration:
 dependence on epithelial-mesenchymal interaction and order of molecular
 reappearance.

AU Chuong C M; Widelitz R B; Ting-Berreth S; Jiang T X
 CS Department of Pathology, School of Medicine, University of Southern
 California, Los Angeles 90033, USA.
 NC AR42177 (NIAMS)
 CA67118 (NCI)
 SO JOURNAL OF INVESTIGATIVE DERMATOLOGY, (1996 Oct) 107 (4) 639-46.
 Journal code: 0426720. ISSN: 0022-202X.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199612
 ED Entered STN: 19970128
 Last Updated on STN: 19990129
 Entered Medline: 19961210

L3 ANSWER 195 OF 197 MEDLINE
 AN 96190690 MEDLINE
 DN 96190690 PubMed ID: 8619804
 TI cAMP, an activator of protein kinase A, suppresses the expression of
sonic hedgehog.
 AU Noveen A; Jiang T X; Chuong C M
 CS Department of Biochemistry and Molecular Biology, University of Southern
 California, Los Angeles 90033, USA.
 SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1996 Feb 6) 219 (1)
 180-5.
 Journal code: 0372516. ISSN: 0006-291X.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199606
 ED Entered STN: 19960620
 Last Updated on STN: 19970203
 Entered Medline: 19960613

L3 ANSWER 196 OF 197 MEDLINE
 AN 96067528 MEDLINE
 DN 96067528 PubMed ID: 7488098
 TI Truncated type II receptor for BMP-4 induces secondary axial structures in
 Xenopus embryos.
 AU Ishikawa T; Yoshioka H; Ohuchi H; Noji S; Nohno T
 CS Department of Biochemistry, Kawasaki Medical School, Kurashiki, Japan.
 SO BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (1995 Nov 2) 216 (1)
 26-33.
 Journal code: 0372516. ISSN: 0006-291X.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 199512
 ED Entered STN: 19960124
 Last Updated on STN: 20020420
 Entered Medline: 19951221

L3 ANSWER 197 OF 197 MEDLINE
 AN 95254655 MEDLINE
 DN 95254655 PubMed ID: 7736597
 TI Long-range sclerotome induction by **sonic hedgehog**:
 direct role of the amino-terminal cleavage product and modulation by the
 cyclic AMP signaling pathway.
 AU Fan C M; Porter J A; Chiang C; Chang D T; Beachy P A; Tessier-Lavigne M
 CS Howard Hughes Medical Institute, Department of Anatomy, University of
 California, San Francisco 94143-0452, USA.

SO CELL, (1995 May 5) 81 (3) 457-65.
Journal code: 0413066. ISSN: 0092-8674.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199506
ED Entered STN: 19950615
Last Updated on STN: 19950615
Entered Medline: 19950607